

NEN Radiochemicals



Our trusted NEN® Radiochemicals are unsurpassed for safety, freshness, availability and choice. When you use our radiochemicals, you can be confident of consistent performance in your radiometric applications. Backed by over 50 years of experience in development and manufacturing, NEN Radiochemicals are the very best radiochemicals you can buy for your research!

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What makes NEN Radiochemicals the best radiochemicals you can buy?

PerkinElmer is on the cutting edge when it comes to safe and appropriate packaging and handling of radiochemicals. To ensure your radiochemicals are always fresh, we manufacture fresh lots more frequently than other suppliers. And we provide one of the broadest product lines in the business, along with custom services for specialized requirements.

We continually invest in our products and processes, and pass the benefits on to you. In fact, we've just built a new, environmentally advanced NEN Radiochemicals manufacturing facility to serve your needs in the 21st century. Our new facility features lean manufacturing, and a best-in-class reagent shipping and distribution center.

When you need to get a new application up and running quickly, our knowledgeable and friendly team of scientists and application specialists is ready to help. At PerkinElmer, we're always here for you.



Now celebrating 50 Years of Radiochemicals Excellence!

Our NEN Radiochemicals have been the standard for quality, reliability, and scientific and manufacturing innovation for 50 years. At PerkinElmer, over 1,000 combined years of radiochemistry expertise support you and your research. Come to the source of excellence and commitment since 1956 — choose NEN Radiochemicals!

PerkinElmer's NEN Radiochemicals innovations have enabled your research for over 50 years:

- First to introduce ^{35}S -labeled nucleotides; still used today for *in situ* hybridization with mRNA.
- First to introduce ^{33}P -labeled nucleotides, accelerating DNA sequencing.
- First to enable ligand-receptor research with ^{125}I -labeled neuropeptides.
- First to automate radiochemical manufacture, assuring reliable worldwide supply.
- First to recycle tritium gas, supporting a cleaner environment.

NEN Radiochemicals & Radionuclides Reference Guides

Always Fresh ³²P-Labeled Nucleotides

Fresh Lot	Half Life	Precalibration	Package Sizes*	Packaging
Every Monday and Thursday	14.3 days	9 days	100 µCi	Shipped in a choice of blue plastic (BLU prefixes) or lead-lined grey plastic (NEG prefixes) packaging. Shipment in lead is required only for ³² P quantities above 1.5 mCi. Help minimize hazardous waste: order lead-free packaging whenever feasible.
			250 µCi	
			500 µCi	
			1 mCi	

*Available package sizes vary. Please see Radiochemicals Product Listing.

³² P-Labeled Compound	Specific Activity	Concentration		Product Numbers	
	[Ci/mmol]	[mCi/mL]	[µM]	Color-coded green EasyTides Ready to use. Shipped ambient. Store at 2–8 °C.	Shipped in dry ice. Store at -20 °C.
ATP, [α- ³² P]-	800	10	12.5	-	BLU003X
	3000	10	3.3	BLU503H	BLU003H
CTP, [α- ³² P]-	800	10	12.5	NEG508X	BLU008X/NEG008X
	3000	10	3.3	BLU508H/NEG508H	BLU008H
GTP, [α- ³² P]-	800	10	12.5	-	BLU006X
	3000	10	3.3	BLU506H/NEG506H	BLU006H/NEG006H
TTP, [α- ³² P]-	800	10	12.5	BLU505A	BLU005A
	3000	10	3.3	BLU505H	BLU005H/NEG005H
UTP, [α- ³² P]-	800	10	12.5	BLU507X/NEG507X	BLU007X/NEG007X
	800	20	25	BLU507T/NEG507T	
	800	40	50	NEG507C	NEG007C
	3000	10	3.3	BLU507H/NEG507H	BLU007H/NEG007H
	6000	40	6.7	BLU507Z/NEG507Z	BLU007Z/NEG007Z
dATP, [α- ³² P]-	800	10	12.5	BLU512A/NEG512A	-
	3000	10	3.3	BLU512H/NEG512H	BLU012H/NEG012H
	6000	20	3.3	BLU512Z/NEG512Z	BLU012Z/NEG012Z
dCTP, [α- ³² P]-	800	10	12.5	BLU513A/NEG513A	BLU013A
	3000	10	3.3	BLU513H/NEG513H	BLU013H/NEG013H
	6000	20	3.3	BLU513Z/NEG513Z	BLU013Z/NEG013Z
dGTP, [α- ³² P]-	3000	10	3.3	BLU514H/NEG514H	-
	6000	20	3.3	BLU514Z/NEG514Z	BLU014Z/NEG014Z
3'dATP, [α- ³² P]-	5000	10	2	-	BLU026/NEG026
ATP, [γ- ³² P]-	10	2	200	-	BLU002/NEG002
	3000	5	1.7	BLU502H/NEG502H	BLU002H/NEG002H
	3000	10	3.3	BLU502A/NEG502A	BLU002A/NEG002A
	6000	10	1.7	BLU502Z/NEG502Z	BLU002Z/NEG002Z
	6000	150	0.04	-	NEG035C
GTP, [γ- ³² P]-	6000	10	1.7	BLU504Z/NEG504Z	BLU004Z/NEG004Z
NAD, [³² P]-	800	5	6.3	-	BLU023X/NEG023X
pCp, [5'- ³² P]-	3000	10	3.3	-	BLU019A/NEG019A

NEN Radiochemicals & Radionuclides Reference Guides

Always Fresh ^{33}P -Labeled Nucleotides

Always Fresh ^{33}P -Labeled Nucleotides

Fresh Lot	Half Life	Precalibration	Package Sizes*	Packaging
Every Friday	25.4 days	15 days	100 μCi 250 μCi 1 mCi	Shipped in white plastic, available in lead-lined grey plastic upon request.

* Available package sizes vary. Please see Radiochemicals Product Listing.

^{33}P -Labeled Compound	Specific Activity	Concentration		Product Numbers	
	[Ci/mmol]	[mCi/mL]	[μM]	Color-coded amber gold EasyTides Ready to use. Shipped ambient. Store at 2–8 °C.	Shipped in dry ice. Store at -20 °C.
ATP, [α - ^{33}P]-	3000	10	3.3	NEG603H	-
CTP, [α - ^{33}P]-	3000	10	3.3	NEG608H	-
GTP, [α - ^{33}P]-	3000	10	3.3	NEG606H	-
TTP, [α - ^{33}P]-	3000	10	3.3	NEG605H	-
UTP, [α - ^{33}P]-	3000	10	3.3	NEG607H	NEG307H
dATP, [α - ^{33}P]-	3000	10	3.3	NEG612H	NEG312H
dCTP, [α - ^{33}P]-	3000	10	3.3	NEG613H	NEG313H
dGTP, [α - ^{33}P]-	3000	10	3.3	NEG614H	-
ATP, [γ - ^{33}P]-	3000	10	3.3	NEG602H	NEG302H
GTP, [γ - ^{33}P]-	3000	10	3.3	NEG604H	-

^{33}P



Order by Phone: **1-800-762-4000 or 203-925-4600**

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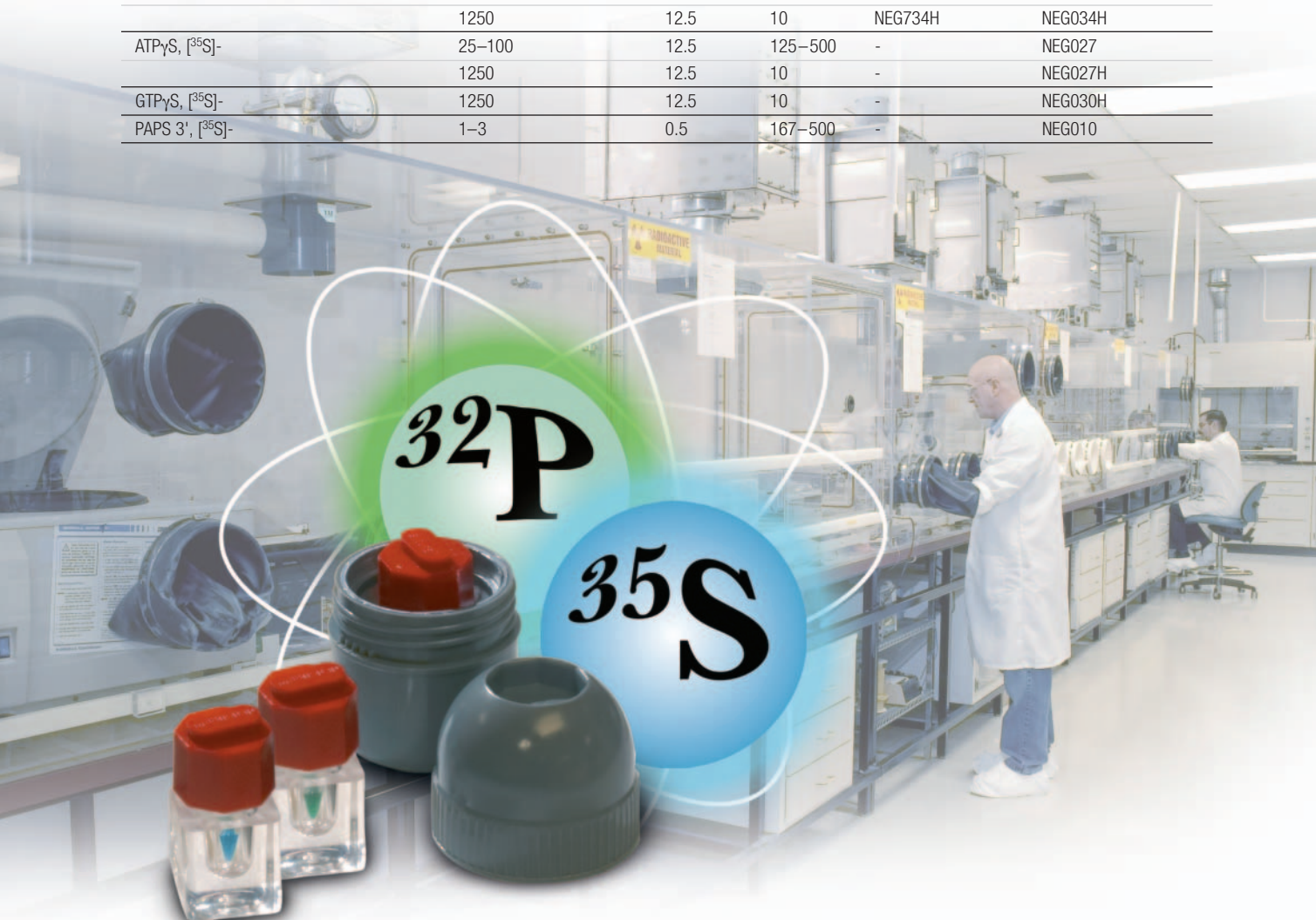
Order Online: www.perkinelmer.com/online

³⁵S-Labeled Nucleotides

Fresh Lot	Half Life	Precalibration	Package Sizes*	Packaging
First Tuesday each month	87.4 days	5 weeks	100 µCi	Shipped in yellow plastic, available in lead-lined grey plastic upon request.
			250 µCi	
			1 mCi	

* Available package sizes vary. Please see Radiochemicals Product Listing.

³⁵ S-Labeled Compound	Specific Activity	Concentration		Product Numbers	
	[Ci/mmol]	[mCi/mL]	[µM]	Color-coded blue EasyTides Ready to use. Shipped ambient. Store at 2–8 °C.	Shipped frozen. Store at -20 °C.
ATPαS, [³⁵ S]-	1250	12.5	10	-	NEG033H
CTPαS, [³⁵ S]-	1250	12.5	10	-	NEG064H
	1250	70	56	-	NEG064C
UTPαS, [³⁵ S]-	800	40	50	-	NEG039C
	1250	12.5	10	NEG739H	NEG039H
dATPαS, [³⁵ S]-	500	10	20	-	NEG034S
	1250	12.5	10	NEG734H	NEG034H
ATPγS, [³⁵ S]-	25–100	12.5	125–500	-	NEG027
	1250	12.5	10	-	NEG027H
GTPγS, [³⁵ S]-	1250	12.5	10	-	NEG030H
PAPS 3', [³⁵ S]-	1–3	0.5	167–500	-	NEG010



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NEN Radiochemicals & Radionuclides Reference Guides

¹²⁵I-Labeled Products

¹²⁵I-Labeled Products

Product	Product No.	Fresh Lot Date
A-85380, [¹²⁵ I]-	NEX413	Fresh upon request.
AB-MECA, [¹²⁵ I]-, (4-amino-3-[¹²⁵ I]iodobenzyl-5'-N-)	NEX312	Second Monday of each month.
Adenosine 3',5'-cyclic phosphoric acid, 2'-O-succinyl [¹²⁵ I]-iodotyrosine methyl ester	NEX130	First Monday of each month.
Adrenomedullin, [¹²⁵ I]Tyr-, (human, 13–52)	NEX385	Fresh upon request.
AGRP (Ac-87-132), [¹²⁵ I]-, (human, synthetic)	NEX372	First Monday of each month.
Albumin, Bovine Serum, [¹²⁵ I]-, ([¹²⁵ I]-BSA)	NEX076	Fourth Monday of each month.
Angiotensin I (Tyr ⁴), [¹²⁵ I]-, (human)	NEX101	First Monday of each month.
Angiotensin II (Sar ¹ , Tyr ⁴ , Ile ⁸), [¹²⁵ I]-	NEX248	Second Monday of each month.
Angiotensin II (Tyr ⁴), [¹²⁵ I]-, (human)	NEX105	Second Monday of each month.
Angiotensin IV (Tyr ²), [¹²⁵ I]-, (human)	NEX295	Fresh upon request.
Anti-mouse IgG, whole antibody, [¹²⁵ I]-, (goat)	NEX159	First Monday of each month.
Anti-mouse IgG, whole antibody, [¹²⁵ I]-, (rabbit)	NEX161	First Monday of each month.
Anti-rabbit IgG, whole antibody, [¹²⁵ I]-, (goat)	NEX155	First Monday of each month.
Antisauvagine-30 (8-1-His ³), ([¹²⁵ I]-)	NEX399	Fresh upon request.
Apamin (His ¹⁸ -NH ₂), [¹²⁵ I]-	NEX242	Fourth Monday of odd months.
Apelin 13 (Glp ⁶⁵ , Nle ⁷⁵ , Tyr ⁷), [¹²⁵ I]-	NEX393	Fresh upon request.
BeKm-1 (Tyr ¹¹), [¹²⁵ I]-	NEX412	Fresh upon request.
Bolton-Hunter Reagent, [¹²⁵ I]-, (monoiodinated)	NEX120	Monday of each week.
Bolton-Hunter Reagent, [¹²⁵ I]-, (diiodinated)	NEX120H	Monday of each week.
Bombesin (D-Tyr ⁶ , βAla ¹¹ , Phe ¹³ , Nle ¹⁴), [¹²⁵ I]-, (6–14)	NEX377	First Monday of each month.
Bombesin (Tyr ⁴), [¹²⁵ I]-	NEX258	Fourth Monday of each month.
α-Bungarotoxin (Tyr ⁵⁴), [¹²⁵ I]-	NEX126	Second Monday of each month.
Calcitonin Gene-Related Peptide, [¹²⁵ I]-, ([¹²⁵ I]-hCGRP), (human)	NEX354	Third Monday of each month.
CCL15, [¹²⁵ I]-, (human, recombinant)	NEX401	Fresh upon request.
CGP 42112A, [¹²⁵ I]-	NEX324	Third Monday of even months.
Cholecystokinin octapeptide, [¹²⁵ I]-, Bolton-Hunter labeled, ([¹²⁵ I]-CCK-8)	NEX203	First Monday of each month.
Chorionic Gonadotropin [¹²⁵ I]-, ([¹²⁵ I]-hCG), (human)	NEX106	Fourth Monday of each month.
6-Ckine, [¹²⁵ I]-, Bolton-Hunter labeled, (CCL21), (human, recombinant)	NEX387	Fresh upon request.
Complement C3a, [¹²⁵ I]-, Bolton-Hunter labeled, (human)	NEX356	First Monday of each month.
Complement C5a, [¹²⁵ I]-, Bolton-Hunter labeled, (human, recombinant)	NEX250	Third Monday of each month.
ω-Conotoxin GVIA (Tyr ²²), [¹²⁵ I]-	NEX239	Second Monday of each month.
ω-Conotoxin MVIIC, [¹²⁵ I]-	NEX323	Fourth Monday of each month.
Corticotropin Releasing Factor (Tyr ⁰), [¹²⁵ I]-, (ovine)	NEX217	Second Monday of each month.
Corticotropin Releasing Factor (Tyr ⁰), [¹²⁵ I]-, (human, rat)	NEX216	Second Monday of each month.
CTACK, [¹²⁵ I]-, (CCL27), (human, recombinant)	NEX391	Fresh upon request.
CXCL16, [¹²⁵ I]-, (human, recombinant)	NEX398	First Monday of each month.
(-)-Cyanopindolol, [¹²⁵ I]iodo-	NEX189	First Monday of each month.
(±)-Cyanopindolol, [¹²⁵ I]iodo-	NEX174	First Monday of each month.
2'-Deoxycytidine-5'-triphosphate, tetraammonium salt, 5-[¹²⁵ I]iodo-	NEX074	Third Monday of each month.
(±)-DOI, [¹²⁵ I]-	NEX255	Fourth Monday of each month.
Eledoisin (Lys ⁴), [¹²⁵ I]-, Bolton-Hunter labeled	NEX218	Third Monday of odd months.
Endothelin-1 (Tyr ¹³), [¹²⁵ I]-, ([¹²⁵ I]-ET-1), (human, porcine)	NEX259	First Monday of each month.
Eotaxin, [¹²⁵ I]-, (human, recombinant)	NEX314	Second Monday of each month.
Epibatidine, [¹²⁵ I]-, ([¹²⁵ I]-IPH)	NEX358	First Monday of even months.
Epidermal Growth Factor, [¹²⁵ I]-, ([¹²⁵ I]-EGF), (murine)	NEX160	First Monday of each month.
3,17β-Estradiol, 16α-[¹²⁵ I]iodo-	NEX144	Fourth Monday of each month.
	NEX144L	
Exendin, [¹²⁵ I]-, (9–39)	NEX335	Third Monday of each month.
Fibroblast Growth Factor Basic, [¹²⁵ I]-, ([¹²⁵ I]-FGF basic), (human, recombinant)	NEX268	Second Monday of each month.

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Product	Product No.	Fresh Lot Date
Follicle Stimulating Hormone, [¹²⁵ I]-, ([¹²⁵ I]-FSH)	NEX173	Fourth Monday of each month.
Fractalkine, [¹²⁵ I]-, (human, recombinant)	NEX368	First Monday of each month.
Galanin, [¹²⁵ I]-, (2–11)	NEX416	First Monday of each month.
Galanin, [¹²⁵ I]-, (human)	NEX333	Third Monday of each month.
Galanin, [¹²⁵ I]-, (porcine)	NEX243	Fourth Monday of each month.
Gastric Inhibitory Polypeptide, [¹²⁵ I]-, (human)	NEX402	Fresh upon request.
Gastrin I (Tyr ¹²), [¹²⁵ I]-, (human)	NEX176	Second Monday of each month.
Ghrelin (His), [¹²⁵ I]-, (human)	NEX388	Fourth Monday of each month.
Ghrelin (Tyr ⁴), [¹²⁵ I]-	NEX417	Second Monday of each month.
Glucagon-like Peptide-1, [¹²⁵ I]-, ([¹²⁵ I]-GLP-1), (7–36)	NEX308	First Monday of each month.
Glucagon-like Peptide-2, [¹²⁵ I]-, ([¹²⁵ I]-GLP-2)	NEX390	Fresh upon request.
Glucagon, [¹²⁵ I]-, receptor grade	NEX207	First Monday of each month.
Granulocyte Macrophage-Colony Stimulating Factor, [¹²⁵ I]-, ([¹²⁵ I]-rGM-CSF), (human, recombinant)	NEX249	Fresh upon request.
GRO Alpha/MGSA, [¹²⁵ I]-	NEX321	Third Monday of each month.
Growth Hormone, [¹²⁵ I]-, ([¹²⁵ I]-hGH), (human)	NEX100	Fourth Monday of each month.
Guanosine 3',5'-cyclic phosphoric acid, 2'-O-succinyl, [¹²⁵ I]-iodotyrosine, methyl ester	NEX131	First Monday of each month.
HEAT, [¹²⁵ I]-	NEX182	Third Monday of each month.
Hemokinin-1, [¹²⁵ I]-, Bolton-Hunter labeled	NEX414	First Monday of each month.
I309, [¹²⁵ I]-, Bolton-Hunter labeled, (human, recombinant)	NEX364	Fresh upon request.
INSL-3, [¹²⁵ I]-	NEX419	First Monday of each month.
Insulin, [¹²⁵ I]-, (porcine)	NEX104	Second Monday of each month.
Insulin, (Tyr ^{A14}), [¹²⁵ I]-, receptor grade, (porcine)	NEX196	Fourth Monday of each month.
Insulin-like Growth Factor-I, [¹²⁵ I]-, ([¹²⁵ I]-IGF-I), (human, recombinant)	NEX241	Third Monday of each month.
Interleukin-1β, [¹²⁵ I]-, ([¹²⁵ I]-IL-1β), (human, recombinant)	NEX232	First Monday of each month.
Interleukin-2, [¹²⁵ I]-, ([¹²⁵ I]-IL-2), (human, recombinant)	NEX229	Second Monday of each month.
Interleukin-6, [¹²⁵ I]-, ([¹²⁵ I]-IL-6), (human, recombinant)	NEX269	Third Monday of each month.
Interleukin-8, [¹²⁵ I]-, ([¹²⁵ I]-IL-8), (human, recombinant)	NEX277	Third Monday of each month.
Iodoclonidine, p-[¹²⁵ I]-, (2-(2,6-dichloro-4)-[¹²⁵ I]-)	NEX253	Fourth Monday of each month.
IP-10, [¹²⁵ I]-, Bolton-Hunter labeled, (human, recombinant)	NEX348	Third Monday of each month.
I-TAC, [¹²⁵ I]-, (human, recombinant)	NEX376	Third Monday of each month.
JE, [¹²⁵ I]-, Bolton-Hunter labeled, (MCP-1, murine, recombinant)	NEX313	Fourth Monday of each month.
Leptin, [¹²⁵ I]-, (human, recombinant)	NEX347	Third Monday of each month.
Leptin, [¹²⁵ I]-, (murine, recombinant)	NEX340	Second Monday of each month.
Luteinizing Hormone Releasing Hormone (D-Trp ⁶), [¹²⁵ I]-, ([¹²⁵ I]-LH-RH)	NEX365	Second Monday of each month.
Luteinizing Hormone Releasing Hormone (Tyr ⁶), [¹²⁵ I]-, ([¹²⁵ I]-LH-RH)	NEX163	Second Monday of each month.
(+)-Lysergic acid diethylamide, 2-[¹²⁵ I]iodo-, ([¹²⁵ I]-LSD)	NEX199	Fourth Monday of each month.
Melanin Concentrating Hormone (Phe ¹³ , Tyr ¹⁹), [¹²⁵ I]-, (Phe ¹³ [¹²⁵ I]Tyr ¹⁹ -MCH), (human, mouse, rat)	NEX375	Fourth Monday of each month.
Melanin Concentrating Hormone, [¹²⁵ I]-, ([¹²⁵ I]-MCH), (human)	NEX373	Fourth Monday of each month.
Melanin Concentrating Hormone-1 Receptor antagonist, [¹²⁵ I]-, ([¹²⁵ I]-hMCH-1R), (human)	NEX406	Fresh upon request.
Melatonin, 2-[¹²⁵ I]iodo-	NEX236	Second Monday of odd months.
Metastin, [¹²⁵ I]-, (45–54)	NEX395	First Monday of each month.
Monocyte Chemoattractant Protein-1 [¹²⁵ I], Bolton-Hunter labeled, ([¹²⁵ I]-MCP-1), (human, recombinant)	NEX332	First Monday of each month.
MIP-1α, [¹²⁵ I]-, (human, recombinant)	NEX298	Second Monday of each month.
MIP-1β (Leu ³ , Gly ⁴⁷), [¹²⁵ I]-, (human, recombinant)	NEX299	Second Monday of each month.
MIP-3α, [¹²⁵ I]-, (human, recombinant)	NEX371	Second Monday of each month.
MIP-3β, [¹²⁵ I]-, (human, recombinant)	NEX370	Second Monday of each month.
MIT-1, [¹²⁵ I]-, Bolton-Hunter labeled	NEX410	Fresh upon request.
Motilin, [¹²⁵ I]-	NEX378	Third Monday of each month.

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¹²⁵I-Labeled Products

Product	Product No.	Fresh Lot Date
α-MSH (Nle ⁴ , D-Phe ⁷), [¹²⁵ I]-	NEX352	Third Monday of each month.
MT II (His), [¹²⁵ I]-	NEX374	First Monday of each month.
Neurokinin A, [¹²⁵ I]-, ([¹²⁵ I]-Substance K, [¹²⁵ I]-NKA)	NEX252	Third Monday of each month.
Neurokinin B (MePhe ⁷) His, [¹²⁵ I]-, ([¹²⁵ I]-NKB)	NEX285	Third Monday of each month.
Neuromedin U-25 (Tyr ¹⁹), [¹²⁵ I]-, ([¹²⁵ I]-NMU-25), (porcine)	NEX383	Third Monday of each month.
Neuromedin U-8, [¹²⁵ I]-, ([¹²⁵ I]-NMU-8)	NEX392	Third Monday of each month.
Neuropeptide B23 (Des-Br), [¹²⁵ I]-, ([¹²⁵ I]-NPB23), (human)	NEX405	Fresh upon request.
Neuropeptide FF (D-Tyr ¹ , N-MePhe ³), [¹²⁵ I]-, ([¹²⁵ I]-NPFF)	NEX381	Second Monday of each month.
Neuropeptide S (Tyr ¹⁰), [¹²⁵ I]-, ([¹²⁵ I]-NPS), (human)	NEX411	Fresh upon request.
Neuropeptide W23, [¹²⁵ I]-, ([¹²⁵ I]-NPW23), (human)	NEX403	Fresh upon request.
Neurotensin (Tyr ³), [¹²⁵ I]-	NEX198	Third Monday of each month.
Nociceptin (Tyr ¹⁴), [¹²⁵ I]-	NEX338	First Monday of each month.
Obestatin, [¹²⁵ I]-	NEX415	First Monday of each month.
Orexin A, [¹²⁵ I]-	NEX367	Second Monday of each month.
Ornithine Vasotocin Analog, [¹²⁵ I]-, ([¹²⁵ I]-OVTA)	NEX254	Second Monday of odd months.
Oxytocin (Tyr ²), [¹²⁵ I]-	NEX187	Second Monday of each month.
PACAP 27, [¹²⁵ I]-	NEX294	Second Monday of each month.
Pancreatic polypeptide, [¹²⁵ I]-, (human)	NEX315	Fourth Monday of each month.
Parathyroid Hormone (Nle ^{8,18} , Tyr ³⁴), [¹²⁵ I]-, ([¹²⁵ I]-PTH), (human, 1–34)	NEX397	Fresh upon request.
Parathyroid Hormone amide (Nle ^{8,21} , Tyr ³⁴), [¹²⁵ I]-, ([¹²⁵ I]-PTH amide), (rat, 1–34)	NEX353	Fresh upon request.
Peptide YY (Leu ³¹ , Pro ³⁴), [¹²⁵ I]-, ([¹²⁵ I]-PYY), (porcine)	NEX334	Third Monday of each month.
Peptide YY, [¹²⁵ I]-, ([¹²⁵ I]-PYY), (human)	NEX341	First Monday of each month.
Peptide YY, [¹²⁵ I]-, ([¹²⁵ I]-PYY), (porcine)	NEX240	Third Monday of each month.
(-)-Pindolol, [¹²⁵ I]iodo-	NEX211	First Monday of each month.
R (+) trans-7-hydroxy-PIPAT, [¹²⁵ I]-	NEX307	Third Monday of each month.
Prazosin analog, [¹²⁵ I]iodoazido-, (iodoarylazidoprazosin)	NEX219	Fourth Monday of odd months.
Prolactin, [¹²⁵ I]-, (rat)	NEX108	Fourth Monday of each month.
Protein A, [¹²⁵ I]-, (human, recombinant)	NEX146	First and third Friday of each month.
	NEX146L	First Monday of each month.
Protein G, [¹²⁵ I]-, Bolton-Hunter labeled, (human, recombinant)	NEX237	Fresh upon request.
QRFP-43, [¹²⁵ I]-, (human)	NEX408	Fresh upon request.
RANTES, [¹²⁵ I]-, (human, recombinant)	NEX292	First Monday of each month.
H2 Relaxin, [¹²⁵ I]-, Bolton-Hunter labeled	NEX409	Fresh upon request.
H3 Relaxin, [¹²⁵ I]-	NEX418	Third Monday of each month.
Resiniferatoxin, [¹²⁵ I]-	NEX394	Fresh upon request.
RTI-121, [¹²⁵ I]-	NEX318	Fourth Monday of even months.
RTI-55, [¹²⁵ I]-	NEX272	Fourth Monday of even months.
S36057 (Tyr), [¹²⁵ I]-	NEX396	Second Monday of each month.
Sauvagine (Tyr ⁹), [¹²⁵ I]-	NEX306	Fourth Monday of each month.
SDF-1α, [¹²⁵ I]-, (human, recombinant)	NEX346	Third Monday of each month.
SHU9119, [¹²⁵ I]-	NEX362	Fresh upon request.
Somatostatin (Tyr ¹¹), [¹²⁵ I]-	NEX389	Fourth Monday of each month.
2'-Spiperone, [¹²⁵ I]iodo-	NEX284	Fourth Monday of even months.
Substance P (Lys ³), [¹²⁵ I]-, Bolton-Hunter labeled	NEX190	Fourth Monday of each month.
Substance P (Tyr ⁹), [¹²⁵ I]-	NEX152	Third Monday of each month.
TARC, [¹²⁵ I]-, (human, recombinant)	NEX369	Second Monday of each month.
Thyrotropin Releasing Hormone (His ²), [¹²⁵ I]-, ([¹²⁵ I]-TRH)	NEX153	Second Monday of even months.
Thyroxine, L-, [¹²⁵ I]-, ([¹²⁵ I]-T ₄)	NEX111	Third Monday of each month.
Transferrin, [¹²⁵ I]-, diferric, (human)	NEX212	Second Monday of each month.
Transforming Growth Factor β-1, [¹²⁵ I]-, ([¹²⁵ I]-TGF-β1), (human, recombinant)	NEX267	Fourth Monday of each month.
Triiodothyronine, L-3,3',5'-[¹²⁵ I]-, ([¹²⁵ I]-Reverse T ₃)	NEX109	Fourth Monday of each month.

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Product	Product No.	Fresh Lot Date
Triiodothyronine, L-3,5,3'-[¹²⁵ I]-, ([¹²⁵ I]-T ₃)	NEX110 NEX110H NEX110X	Third Monday of each month.
Tumor Necrosis Factor- α , [¹²⁵ I]-, ([¹²⁵ I]-rTNF α), (human, recombinant)	NEX257	Fourth Monday of each month.
Ubiquitin, [¹²⁵ I]-	NEX404	Fresh upon request.
Urotensin II (Tyr ⁹), [¹²⁵ I]-, (human)	NEX379	Second Monday of each month.
Vascular Endothelial Growth Factor, [¹²⁵ I]-, ([¹²⁵ I]-VEGF), (human, recombinant)	NEX328	First Monday of each month.
Vasoactive Intestinal Polypeptide, [¹²⁵ I]-, ([¹²⁵ I]-VIP), (human, porcine, rat)	NEX192	Fourth Monday of each month.
Vasopressin (linear), V _{1A} antagonist (phenylacetyl ¹ , O-Me-D-Tyr ² , Arg ^{6,8} , Tyr ⁹), [¹²⁵ I]-	NEX310	Second Monday of each month.
Vasopressin (Tyr ² , Arg ⁹), [¹²⁵ I]-	NEX128	Second Monday of each month.
WKYMVm, [¹²⁵ I]-, Bolton-Hunter labeled	NEX386	Fourth Monday of each month.

³⁵S-Labeled Amino Acids

Fresh Mondays, Every Three Weeks

Product Name	Molecular Formula & Labeling Position	Specific Activity [Ci/mmol]	Activity Concentration [mCi/mL]	Product No.
Cysteine, L-[³⁵S]- Packaged in 10 mM DTT.	HSCH ₂ CH(NH ₂)CO ₂ H	>1000	11	NEG022T
EXPRE³⁵S Protein Labeling Mix, [³⁵S]-, (EasyTag) A mixture of approximately 73% [³⁵ S]-methionine and 22% L-[³⁵ S]-cysteine prepared directly from the hydrolysate of <i>E. coli</i> grown in the presence of carrier-free ³⁵ SO ₄ with added stabilizer. Packaged in a stabilized aqueous solution.	N/A	>1000	11	NEG772
EXPRE³⁵S Protein Labeling Mix, [³⁵S]- A mixture of approximately 73% [³⁵ S]-methionine and 22% L-[³⁵ S]-cysteine prepared directly from the hydrolysate of <i>E. coli</i> grown in the presence of carrier-free ³⁵ SO ₄ . Packaged in 50 mM tricine (pH 7.4) and 10 mM 2-mercaptoethanol.	N/A	>1000	11	NEG072
Methionine, L-[³⁵S]- Cell Labeling Grade Packaged in 10 mM 2-mercaptoethanol.	CH ₃ S(CH ₂) ₂ CH(NH ₂)CO ₂ H	>600	31.5	NEG009L
Methionine, L-[³⁵S]- Packaged in 10 mM 2-mercaptoethanol.	CH ₃ S(CH ₂) ₂ CH(NH ₂)CO ₂ H	>800	11	NEG009H
Methionine, L-[³⁵S]-, (EasyTag) Packaged in a stabilized aqueous solution with blue dye.	CH ₃ S(CH ₂) ₂ CH(NH ₂)CO ₂ H	>1000	10.2	NEG709A
Methionine, L-[³⁵S]- Packaged in 50 mM tricine (pH 7.4) and 10 mM 2-mercaptoethanol.	CH ₃ S(CH ₂) ₂ CH(NH ₂)CO ₂ H	>1000	10.2	NEG009A
Methionine, L-[³⁵S]- Packaged in 10 mM 2-mercaptoethanol.	CH ₃ S(CH ₂) ₂ CH(NH ₂)CO ₂ H	>1000	11	NEG009T
Methionine, L-[³⁵S]- Packaged in 50 mM tricine (pH 7.4) and 10 mM 2-mercaptoethanol.	CH ₃ S(CH ₂) ₂ CH(NH ₂)CO ₂ H	>1000	43.3	NEG009C

NEN Radiochemicals & Radionuclides Reference Guides

³H-Labeled Amino Acids/¹⁴C-Labeled Amino Acids

³H-Labeled Amino Acids

Always Available

Product Name	Molecular Formula & Labeling Position(s)	Specific Activity [Ci/mmol]	Activity Conc. [mCi/mL]	Product No.
Alanine, L-[3- ³ H]-	CH ₃ CH(NH ₂)CO ₂ H	65–85	1 mCi/mL	NET348
Arginine monohydrochloride, L-[2,3,4- ³ H]-	H ₂ NC(NH)NH(CH ₂) ₃ CH(NH ₂)CO ₂ H.HCl	40–70	1 mCi/mL	NET1123
Aspartic acid, D-[2,3- ³ H]-	HO ₂ CCH ₂ CH(NH ₂)CO ₂ H	10–25	1 mCi/mL	NET581
Glutamic acid, L-[3,4- ³ H]-	HO ₂ C(CH ₂) ₂ CH(NH ₂)CO ₂ H	40–80	1 mCi/mL	NET490
Glutamine, L-[3,4- ³ H(N)]-	H ₂ NCO(CH ₂) ₂ CHCNH ₂ CO ₂ H	30–60	1 mCi/mL	NET551
Glycine, [2- ³ H]-	H ₂ NCH ₂ CO ₂ H	30–60	1 mCi/mL	NET004
Leucine, L-[3,4,5- ³ H(N)]-	(CH ₃) ₂ CHCH ₂ CH(NH ₂)CO ₂ H	100–150	1 mCi/mL	NET460
Leucine, L-[3,4,5- ³ H(N)]-	(CH ₃) ₂ CHCH ₂ CH(NH ₂)CO ₂ H	100–150	5 mCi/mL	NET460A
Leucine, L-[4,5- ³ H(N)]-	(CH ₃) ₂ CHCH ₂ CH(NH ₂)CO ₂ H	40–60	1 mCi/mL	NET135H
Lysine, L-[4,5- ³ H(N)]-	H ₂ NCH ₂ CH ₂ CH ₂ CH(NH ₂)CO ₂ H.HCl	80–110	1 mCi/mL	NET376
Methionine, L-[methyl- ³ H]-	CH ₃ S(CH ₂) ₂ CH(NH ₂)CO ₂ H	70–85	1 mCi/mL	NET061X
Proline, L-[2,3- ³ H]-	HNCH ₂ CH ₂ CH ₂ CHCO ₂ H	25–55	1 mCi/mL	NET323
Proline, L-[2,3,4,5- ³ H]-	HNCH ₂ CH ₂ CH ₂ CHCO ₂ H	>75	1 mCi/mL	NET483
Serine, L-[3- ³ H(G)]-	HOCH ₂ CH(NH ₂)CO ₂ H	15–40	1 mCi/mL	NET248
Tyrosine, L-[ring-3,5- ³ H]-	p-HOC ₆ H ₄ CH ₂ CH(NH ₂)CO ₂ H	40–60	1 mCi/mL	NET127

¹⁴C-Labeled Amino Acids

Always Available

Product Name	Molecular Formula & Labeling Position(s)	Specific Activity [mCi/mmol]	Activity Conc. [mCi/mL]	Product No.
Alanine, L-[¹⁴ C(U)]-	CH ₃ CH(NH ₂)CO ₂ H	>150	0.1	NEC266E
Arginine L-[¹⁴ C(U)]-	H ₂ NC(NH)NH(CH ₂) ₃ CH(NH ₂)CO ₂ H.HCl	>300	0.1	NEC267E
Cystine L-[¹⁴ C(U)]-	(HO ₂ CCH(NH ₂)CH ₂ S) ₂	>250	0.02	NEC465
Glutamic Acid, L-[¹⁴ C(U)]-	HO ₂ C(CH ₂) ₂ CH(NH ₂)CO ₂ H	>250	0.1	NEC290E
Glycine, [¹⁴ C(U)]-	H ₂ NCH ₂ CO ₂ H	>100	0.1	NEC276E
Leucine, L-[¹⁴ C(U)]-	(CH ₃) ₂ CHCH ₂ CH(NH ₂)CO ₂ H	>300	0.1	NEC279E
Lysine, L-[¹⁴ C(U)]-	H ₂ NCH ₂ (CH ₂) ₃ CH(NH ₂)CO ₂ H.HCl	>300	0.1	NEC280E
Phenylalanine, L-[¹⁴ C(U)]-	C ₆ H ₅ CH ₂ CH(NH ₂)CO ₂ H	>450	0.1	NEC284E
Proline, L-[¹⁴ C(U)]-	HNCH ₂ CH ₂ CH ₂ CHCO ₂ H	>250	0.1	NEC285E
Serine, L-[¹⁴ C(U)]-	HOCH ₂ CH(NH ₂)CO ₂ H	>150	0.1	NEC286E
L-Amino acid mixture, [¹⁴ C(U)]-	N/A	N/A	0.1	NEC445E

A mixture of L-Ala, L-Arg, L-Asp, L-Glu, Gly, L-His, L-Ile, L-Leu, L-Lys, L-Phe, L-Pro, L-Ser, L-Thr, L-Tyr and L-Val

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³H- and ¹⁴C-Labeled Thymidines

Thymidines for Proliferations Studies

Product Name	Specific Activity	Activity Conc. [mCi/mL]	Product No.
To study DNA proliferation rates			
Thymidine, [methyl-¹⁴C]- Steri-packaged in an aqueous solution. Not for human use.	40–60 mCi/mmol	0.1	NEC568
Thymidine, [methyl-³H]- Steri-packaged in an aqueous solution. Not for human use.	2 Ci/mmol	1	NET027A
Thymidine, [methyl-³H]- Steri-packaged in an aqueous solution. Not for human use.	6.7 Ci/mmol	1	NET027
Thymidine, [methyl-³H]- Steri-packaged in an aqueous solution. Not for human use.	20 Ci/mmol	1	NET027X
Thymidine, [methyl-³H]- Packaged in ethanol:water (7:3).	20 Ci/mmol	1	NET027E
Thymidine, [methyl-³H]- Steri-packaged in an aqueous solution. Not for human use.	70–90 Ci/mmol	1	NET027Z
To study total nucleic acid proliferation rates			
Thymidine, [2-¹⁴C]- Steri-packaged in an aqueous solution. Not for human use.	>50 mCi/mmol	0.1	NEC156
Thymidine, [6-³H]- Steri-packaged in an aqueous solution. Not for human use.	>10 Ci/mmol	1	NET355

Thymidines for DNA Probe Labeling

Product Name	Specific Activity	Activity Conc. [mCi/mL]	Product No.
Thymidine 5'-triphosphate, tetrasodium salt, [methyl-³H]- , Packaged in ethanol:water (1:1).	10–25 Ci/mmol	1	NET221H
Thymidine 5'-triphosphate, tetrasodium salt, [methyl-³H]- , Packaged in ethanol:water (1:1).	70–90 Ci/mmol	1	NET221X
Thymidine 5'-triphosphate, tetrasodium salt, [methyl-³H]- , Packaged in 10 mM tricine (pH 7.6).	70–90 Ci/mmol	2.5	NET221A
Thymidine 5'-triphosphate, tetrasodium salt, [methyl, 1',2'-³H] , Packaged in 10 mM tricine (pH 7.6).	90–120 Ci/mmol	2.5	NET520A

Radionuclides

Radionuclides

Radionuclide	Packaging & Form	Specific Activity	Fresh Lot Availability	Product No.
Calcium-45 Symbol: ^{45}Ca Half Life: 163 d Radiation Type: beta	As calcium chloride in aqueous solution	>10 Ci/g	Every 4 weeks	NEZ013
Cerium-141 Symbol: ^{141}Ce Half Life: 32.53 days Radiation Type: beta	Packaged in 0.5 M HCl.	>0.5 Ci/g	Every 4 weeks	NEZ015
Chromium-51 Symbol: ^{51}Cr Half Life: 27.7 d Radiation Type: gamma	As chromium chloride in 0.5 M HCl.	>50 Ci/g	Every other week	NEZ020
	As sodium chromate in normal saline (pH 8–10) Steri-packaged; not for human use.	400–1200 Ci/g	Friday of every other week	NEZ030
	As sodium chromate in normal saline (pH 8–10). Steri-packaged; not for human use.	400–1200 Ci/g	Friday of every other week	NEZ030S
	As EDTA complex in 0.005 M EDTA (pH 7.0)	>50 Ci/g	Every month	NEZ147
Gadolinium-153 Symbol: ^{153}Gd Half Life: 242 d Radiation Type: gamma	Packaged in 0.5 M HCl.	>5 Ci/g	Routinely available	NEZ142
Indium-111 Symbol: ^{111}In Half Life: 2.83 d Radiation Types: x-ray, gamma	As indium chloride in 0.05 M HCl. Steri-packaged; not for human use.	380–415 Ci/mg	Every Friday	NEZ304
Iodine-125 Symbol: ^{125}I Half Life: 60.14 d Radiation Types: x-ray, gamma	Packaged in 0.1 M NaOH (pH 12–14), reductant free.	~17 Ci/mg	Wednesday of every other week	NEZ033
	100 mCi/mL	~17 Ci/mg	Wednesday of every other week	NEZ033A
	Packaged in 10^{-5} M NaOH (pH 8–11), reductant free.			
	>350 mCi/mL Packaged in 0.1 M NaOH (pH 12–14), reductant free.	~17 Ci/mg	Wednesday of every other week	NEZ033H
	>350 mCi/mL Packaged in 10^{-5} M NaOH (pH 8–11), reductant free.	~17 Ci/mg	Wednesday of every other week	NEZ033L
Iodine-131 Symbol: ^{131}I Half Life: 8.04 d Radiation Types: beta, gamma, x-ray	Packaged in 0.1 M NaOH (pH 12–14).	>5 Ci/mg	Every Monday	NEZ035A NEZ035D
	>500 mCi/mL	>5 Ci/mg	Every Monday	NEZ035H
	Packaged in 0.1 M NaOH (pH 12–14).			

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Radionuclide	Packaging & Form	Specific Activity	Fresh Lot Availability	Product No.
Iron-55 Symbol: ^{55}Fe Half Life: 2.7 y Radiation Type: x-ray	As ferric chloride in 0.5 M HCl.	>3 Ci/g	Routinely available	NEZ043
Iron-59 Symbol: ^{59}Fe Half Life: 44.6 d Radiation Types: beta, gamma	As ferric chloride in 0.5 M HCl.	>5 Ci/g	Routinely available	NEZ037
	As ferrous sulfate in 0.05 M H_2SO_4 . Steri-packaged; not for human use.	>5 Ci/g	Routinely available	NEZ049
Manganese-54 Symbol: ^{54}Mn Half Life: 312 d Radiation Type: gamma	Packaged in 0.5 M HCl.	>20 Ci/g	Available periodically	NEZ040
Niobium-95 Symbol: ^{95}Nb Half Life: 35 d Radiation Type: gamma	Packaged in 6.0 N HCl.	Carrier free	Available periodically	NEZ155
Phosphorus-32 Symbol: ^{32}P Half Life: 14.29 d Radiation Type: beta	As disodium phosphate in 1 mL water.	900–1100 mCi/mmol	Every Wednesday	NEX011
	As tetrasodium pyrophosphate in saline.	1–60 Ci/mmol	Every Wednesday	NEX019
	As orthophosphoric acid in 1 mL water.	8500–9120 Ci/mmol	Every Wednesday	NEX053
	>500 mCi/mL As orthophosphoric acid in water.	8500–9120 Ci/mmol	Every Friday	NEX053C
	10 mCi/mL As orthophosphoric acid in water.	8500–9120 Ci/mmol	Every Wednesday	NEX053H
	150 mCi/mL As orthophosphoric acid in water.	8500–9120 Ci/mmol	Every Wednesday	NEX053S
	As orthophosphoric acid in 1 mL 0.02 M HCl.	8500–9120 Ci/mmol	Every Wednesday	NEX054
	As monopotassium phosphate in 1.0 mL water.	900–1100 mCi/mmol	Every Wednesday	NEX060
	As monosodium phosphate in 1.0 mL water.	900–1100 mCi/mmol	Every Wednesday	NEX063
Phosphorus-33 Symbol: ^{33}P Half Life: 25.4 d Radiation Type: beta	As orthophosphoric acid in 1.0 mL HCl-free water.	40–158 Ci/mg	First Friday of each month	NEZ080
Rubidium-86 Symbol: ^{86}Rb Half Life: 18.66 d Radiation Types: beta, gamma	Packaged in water.	>1 Ci/g	Every 8 weeks	NEZ072
Ruthenium-103 Symbol: ^{103}Ru Half Life: 39.3 d Radiation Type: gamma	Packaged in 6 M HCl.	>3 Ci/g	Routinely available	NEZ075

Radionuclides

Radionuclide	Packaging & Form	Specific Activity	Fresh Lot Availability	Product No.
Scandium-46 Symbol: ^{46}Sc Half Life: 83.83 d Radiation Types: beta, gamma	Packaged in 0.5 M HCl.	>100 Ci/g	Available periodically	NEZ076
Sodium-22 Symbol: ^{22}Na Half Life: 2.6 y Radiation Types: positron, gamma	As NaCl in water.	100–2000 Ci/g	Routinely available	NEZ081
Strontium-85 Symbol: ^{85}Sr Half Life: 64.85 d Radiation Type: gamma	Packaged in 0.5 M HCl.	>3 Ci/g	Routinely available	NEZ082
Sulfur-35 Symbol: ^{35}S Half Life: 87.4 d Radiation Type: beta	As sodium sulfate in 1.0 mL water.	250–1000 mCi/mmol	Every 4 weeks	NEX041
	As sodium sulfate in 1.0 mL water.	1050–1600 Ci/mmol	Every 4 weeks	NEX041H
	As sulfuric acid in 1.0 mL water.	1050–1600 Ci/mmol	Every 4 weeks	NEX042



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Therapeutic Radionuclides

PerkinElmer's Yttrium-90 and Lutetium-177 are being combined with various molecules like monoclonal antibodies and peptides to create potential "Smart Drugs" that can specifically target a number of cancers. Promising therapeutic formulations are currently being investigated in research and clinical trials for several types of cancer such as ovarian, lung, breast, colon, prostate, brain, and non-Hodgkin's lymphoma. Through its worldwide distribution capabilities, PerkinElmer can assure delivery of these short-lived radionuclides to many areas of the world soon after production.

Both Yttrium-90 and Lutetium-177 nuclides feature:

- High purity: low levels of contaminants.
- High concentration: can be diluted to meet specific lab requirements.
- Excellent labeling efficiency: high incorporation.
- Fresh lots weekly: reliable production schedule with daily calibration schedule.
- Convenient daily delivery: next day in the U.S. and 2–3 days in Europe.
- NENSure™ vial packaging: safe and secure; maximizes recovery of material while ensuring minimal personal exposure. Other vials are available upon request.

Yttrium-90 Chloride Radionuclide

For research and investigational use only

PerkinElmer produces and distributes ultra-pure Yttrium-90 radionuclide, which is extracted from Strontium-90 using a patented process licensed exclusively to PerkinElmer. Every lot of Yttrium-90 is quality tested to ensure consistency. Documentation of test results at release, such as the ICP analysis for metals contamination, is provided with each shipment.

Product Name	Specific Activity	Calibration Day	Activity Concentration on Calibration Day [mCi/mL]	Product No.
Yttrium-90 Radionuclide	~500 Ci (18.5 TBq)/mg	Monday	>1300	NEZ306S000MC
Sterile and non-pyrogenic		Tuesday	>1000	NEZ306AS000MC
Weekly fresh lots		Wednesday	>625	NEZ306BS000MC
Half Life: 2.67 d		Thursday	>500	NEZ306CS000MC
Yttrium-90 Radionuclide	~500 Ci (18.5 TBq)/mg	Monday	>1300	NEZ306000MC
Radiochemical grade		Tuesday	>1000	NEZ306A000MC
Weekly fresh lots		Wednesday	>625	NEZ306B000MC
Half Life: 2.67 d		Thursday	>500	NEZ306C000MC

Lutetium-177 Chloride Radionuclide

For research and investigational use only

Lutetium-177 is used in the same way as Yttrium-90; however it may be used in a slightly different manner. Lutetium-177 has a shorter radius of penetration than Yttrium-90, making it an ideal candidate for radioimmunotherapy for smaller, soft tumors. In addition, Lutetium-177 is a beta and gamma emitter. It can be used for therapy and imaging studies unlike Yttrium-90, which is a pure beta emitter and can only be used for therapy. Every lot of Lutetium-177 is quality tested to ensure consistency. Documentation of test results at release, such as the ICP analysis for metals contamination, is provided with each shipment.

Product Name	Specific Activity	Calibration Day	Activity Concentration on Calibration Day [mCi/mL]	Product No.
Lutetium-177 Radionuclide	~20 Ci (0.74 TBq)/μg	Thursday	>1300	NEZ307000MC
Radiochemical grade		Friday	>1100	NEZ307A000MC
Weekly fresh lots		Monday	>850	NEZ307B000MC
Half Life: 6.71 d		Tuesday	>775	NEZ307C000MC

Radioimmunoassay Kits

Radioimmunoassay Kits

Radioimmunoassay Kits

Our [^3H]- and [^{125}I]- RIA kits are fully validated and contain all reagents required to run your assays. You can find our fresh lot schedule for the [^{125}I]- kits at www.perkinelmer.com/radioactivity.

For Laboratory Use. Research chemicals for research purposes only.

Product Name	Package Size	Product No.
11-Dehydrothromboxane B ₂ [^{125}I]- RIA Kit Shipped ambient. Store at 2–8 °C.	250 assay tubes	NEK042A001KT
6-Keto-Prostaglandin F _{1α} [^{125}I]- RIA Kit Shipped on blue ice. Store at 2–8 °C.	125 assay tubes	NEK025001KT
	250 assay tubes	NEK025A001KT
Cyclic AMP [^{125}I]- Tracer Plus Carrier Serum (c-AMP [^{125}I]- tracer shipped separately.) Shipped ambient. Store at 2–8 °C.	100 assay tubes	NEK035001EA
Cyclic AMP, [^{125}I]- RIA Kit Shipped ambient. Store at 2–8 °C.	200 assay tubes	NEK033001KT
Cyclic GMP, [^{125}I]- RIA Kit Shipped ambient. Store at 2–8 °C.	200 assay tubes	NEX133001KT
Inositol 1,4,5-trisphosphate, [^3H]- Radioreceptor Assay Kit Shipped on blue ice. Store at 2–8 °C.	192 assay tubes	NEK064001KT
Leukotriene B ₄ [^3H]- RIA Kit Shipped on blue ice. Store at 2–8 °C.	250 assay tubes	NEK037A001KT
Prostaglandin E ₂ [^{125}I]- RIA Kit (c-Prostaglandin [^{125}I]- tracer shipped separately.) Shipped on blue ice. Store at 2–8 °C.	125 assay tubes	NEK020001KT
	250 assay tubes	NEK020A001KT
Thromboxane B ₂ [^{125}I]- RIA Kit Shipped on blue ice. Store at 2–8 °C.	125 assay tubes	NEK024001KT
	250 assay tubes	NEK024A001KT



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NEN Radiochemicals Technical & Safety Information

NEN Radiochemicals Nomenclature and Packaging

NEN Radiochemicals Technical & Safety Information

This section contains important technical information for researchers working with NEN Radiochemicals. It is organized as follows:

- NEN Radiochemicals Nomenclature
- NEN Radiochemicals Packaging
- Technical Data Accompanying Radiochemicals
- Storage & Handling of Radiochemicals
- Radionuclide Safe Handling Guides
- Radionuclide Decay Tables
- Common Radiochemical Measurements & Conversions



NEN Radiochemicals Nomenclature

Radiochemicals in this catalog are listed by the full chemical name (salt forms are listed as the parent compound). Following the full chemical name is a bracket, separated from the name by a comma and space. The information within the bracket describes the location and type of radioactive label. The bracket is followed by a hyphen.

Everything between the comma and space referenced above and the hyphen following the bracket would be placed before the chemical name or before the labeled unit in order to convert to the “square bracket preceding” system. For example, Glutamic acid, L-[¹⁴C(U)]- in this catalog may be read as L-[¹⁴C(U)]Glutamic acid.

The isotope employed is designated by its chemical symbol with the mass number shown as a superscript preceding the symbol.

Specifically Labeled Compounds

This designation is used when all labeled positions are identified and the radioactivity at these positions is greater than 95% of the total incorporated into the compound. When more than one position is labeled, uniform or even distribution is not implied.

Uniformly Labeled (U) Compounds

This designation is reserved for compounds labeled in all positions in a uniform or nearly uniform pattern. This category includes compounds prepared by biosynthesis from carbon dioxide, [¹⁴C], or from a uniformly labeled intermediate.

Nominally Labeled (N) Compounds

This designation is used when the method of preparation requires some (usually a significant amount) of the label to be at a specific site or sites, but no further information is available on the extent of labeling (if any) at other positions.

Generally Labeled (G) Compounds

This designation is reserved for compounds (usually tritium-labeled) in which there is a random (i.e., non-uniform and undetermined) distribution of radioactivity at various positions. Under the conditions that lead to random labeling, many potential sites for labeling usually contain no radioactivity.

NEN Radiochemicals Packaging

Follow these precautions when receiving and opening a package containing radiochemicals:

- Inspect all packages upon receipt to ensure that they are free from damage and that surface radiation and contamination are within specified limits.
- Open the package in a designated area, while wearing protective gloves.
- Inspect the contents of the vial and verify the radionuclide, quantity, and compound on the vial label and packing slip.
- When opening the vial, be aware of the potential for overpressure. Carefully open the vial in a fume-hood and monitor to confirm contamination control.

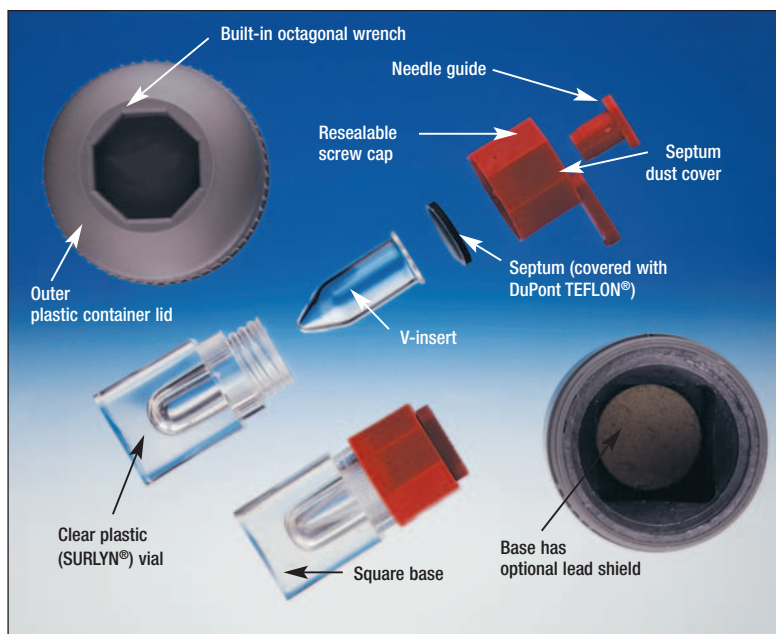
NEN Radiochemicals Technical & Safety Information

NENSure Vial Packaging

NENSure Vial Packaging

With the revolutionary NENSure™ packaging system, PerkinElmer established new safety and convenience standards for the shipment of radiochemicals. These include ^{32}P and ^{33}P -labeled nucleotides; ^{32}P , ^{33}P , ^{35}S , ^{125}I and ^{131}I radionuclides; ^{35}S -labeled amino acids; and ^3H , ^{125}I - and ^{14}C -labeled compounds. NENSure vials seal and reseal positively to ensure safe shipment and storage, allow unobstructed view of the product, and unscrew easily for safe and convenient access.

Each NENSure vial is shipped in a sturdy, easy-to-use container, and is available with an optional integral lead shield. For easy opening, the container lid has an octagonal recess to place over the vial cap. For maximum recovery of product, NENSure vials have a conical plastic or glass V-insert. Light-sensitive compounds are packaged in a UV-absorbing version of the NENSure vial.



Using a Syringe to Remove Contents from NENSure Vials

A 1.5 inch (38 mm) needle will reach the bottom of the V-insert when inserted directly through the septum of a 0.9 mL or 2.2 mL NENSure vial. A 2.25 inch (57 mm) needle is required for the 5 mL vial. The needle guide was designed to facilitate the use of microsyringes, such as the Hamilton syringe; however, it will accommodate needles of 22 gauge or finer. When using the needle guide, add 0.5 inches (12.7 mm) to the required needle length.

To expose the septum:

1. Unscrew the lid of the outer container.
2. Slide aside or remove the dust cover on the cap.
3. If required, install a charcoal trap directly through the septum.
4. Insert the syringe needle directly through the septum.

To use the needle guide:

1. Slide aside and remove the dust cover.
2. Insert and press the needle guide into the exposed opening.
3. Install a charcoal trap through the side opening of the guide until it just penetrates the septum.
4. Fit the syringe needle into the center hole of the guide and push firmly through the septum into the vial.

Using a Pipette to Remove Contents from NENSure Vials

To remove the cap:

1. Unscrew the lid of the outer container.
2. Invert the lid and position it so that the built-in octagonal wrench engages the cap.
3. Turn the wrench counterclockwise to remove the cap.

To replace the cap:

1. Position the cap on the vial.
2. Turn the wrench clockwise to screw the cap in place, ensuring a tight seal.

Installing a Charcoal Trap in NENSure Vials

Prior to removing the vial contents or adding reagents, PerkinElmer recommends installing a charcoal trap (NEX033T) to vent any volatiles that may have built up during shipment. This precautionary step is particularly important when opening ^{35}S - or ^{125}I -labeled compounds. The charcoal trap can be installed either directly through the septum or through the side opening of the needle guide. Refer to the instructions accompanying the product.

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Combi-Vial

The Combi-Vial is a multidose, wide-mouthed glass vial (5 mL or 10 mL) with a wide base. Each Combi-Vial is enclosed in a double-pouched envelope containing all pertinent data sheets. The double-pouched envelope is inserted into a securitainer (a plastic container with easy-opening tear tab) that contains absorbent material. The securitainer is then packaged in a polystyrene carton that is itself packaged in a corrugated box.

For maximum security against leakage, compounds dissolved in organic solvents are shipped with a multi-dose closure that is plugged with a rubber septum lined with Teflon® fluorocarbon resin. Many of the compounds dissolved in water or dilute acid are shipped with a multi-dose closure sealed with a rubber plug.

- Use a syringe to extract the contents of a Combi-Vial directly through the septum or rubber plug.
- For multiple withdrawals, or withdrawal by pipette, the multi-dose closure can be easily removed by pulling the tear tab.
- Thereafter, the Combi-Vial may be reclosed with the supplied screw-cap.

Combi-V-Vial

The Combi-V-Vial is the standard Combi-Vial with a long, tapered V-insert. V-inserts allow small volumes of liquid to gravitate to the apex of the “V” for maximum accessibility. The Combi-V-Vial is available in two sizes: a 0.7 mL vial made of glass or a 1.0 mL vial made of polypropylene. The Combi-V-Vial is sealed with a specially-designed, Teflon®-lined septum.

Screw-Cap Bottle

Used to package many solid products, this 2-dram glass vial features a Teflon®-lined screw-cap closure, and is sealed with tape or a heat-shrink seal.

Serum Bottle

The serum bottle is used for products supplied in large volumes of sterile water. It is shipped with a multidose closure and a rubber plug. Availability is specified in the product listing.

Note: This package is not certified as sterile and pyrogen-free. It is not suitable for organics.

Sealed Through-Joint Ampoules

These glass ampoules are used for packaging volatile solutions that are aliquoted at frequent intervals, such as solutions of labeled acetic anhydride in benzene. The ampoules feature a standard taper joint and a flame-sealed top. A standard taper cap is supplied to close the ampoule for storage after the seal is broken. Ampoules are suitable for use as reaction vessels when a transfer of the contents is not desired. Ampoules are available in two sizes: a small ampoule for solutions of 0.5 mL or less or a larger ampoule for solutions up to 3 mL. This vessel is calibrated to show the approximate content volume.

Instructions for opening the ampoule are included in the Technical Data sheet that accompanies the product.

Breakseal Tubes

Volatile liquids or gases that are to be transferred into a vacuum system are packaged in glass breakseal tubes. These tubes are specially designed to fit onto a vacuum line prior to opening. They are available in several sizes, according to volume and pressure requirements. A standard taper joint can be attached to the breakseal tube upon request.

Sealed Ampoules

Flame-sealed ampoules with constricted necks are available in a wide variety of sizes, from 1 mL to 100 mL. Instructions for opening the ampoule are included in the Technical Data sheet that accompanies the product.

Custom Packaging

Lyophilization or special containers, solvents, concentrations, or conditions (e.g., packaging under argon or nitrogen) can be provided at additional cost, when available.

Additional precautions that substantially reduce product bioburden or enhance product stability can also be provided. Such products are designated “steri-packaged” in this catalog.

PerkinElmer makes no warranty, expressed or implied, with respect to the sterility or pyrogenicity of such products, including any warranty of merchantability or fitness for any particular purpose. These are research products, and are not intended for use in humans. If use in humans is planned, contact your PerkinElmer Customer Care Representative for guidance.

NEN Radiochemicals Technical & Safety Information

Technical Data/Storage & Handling of NEN Radiochemicals

Technical Data Accompanying NEN Radiochemicals

PerkinElmer's quality control program includes the preparation of a detailed Technical Data (TD) sheet for every catalog product. These TD sheets typically contain the following information:

- Initial radiochemical purity
- Chemical purity (where applicable)
- Structural formula with label position
- Method of synthesis (with pertinent references)
- Recommended storage conditions
- Approximate rate of decomposition under these conditions
- Specific information for purification after prolonged storage



Storage & Handling of NEN Radiochemicals

PerkinElmer formulates its NEN Radiochemicals to minimize further processing by researchers. However, radiochemicals decompose over time. Therefore, they require careful handling and proper storage.

Every PerkinElmer product is accompanied by a Technical Data sheet that recommends the best storage and handling methods for that specific product. Read the Technical Data sheet carefully before using or storing your NEN Radiochemical.

Here are ways to maximize the use of NEN Radiochemicals:

- Schedule your purchases to avoid prolonged storage, and use the product as soon as possible after taking delivery.
- For radiochemicals packaged in an ampoule, refer to the Technical Data sheet instructions for opening the ampoule, as well as for the subsequent storage of the product.
- Minimize the number of times the primary container is opened, and reseal the container immediately after use. If a compound will be used several times, aliquot the required amounts to separate storage vials.
- Many buffers and salts used in biological systems are harmful to the radiochemical. Use clean syringes and pipets when withdrawing aliquots from the primary container.
- If the compound is light-sensitive, handle it under a red light and cover the primary container with foil when storing. Or store the compound in the UV-absorbing version of the NENSure vial.
- If the compound is air- or water-sensitive, flush the primary container with argon after use.
- Store at low temperatures, but do not freeze unless specifically recommended on the Technical Data sheet.
- Store at the lowest usable specific activity.
- Store in the most stable chemical form.
- When possible, dissolve the compound in a solvent that has been specially purified. Most common laboratory solvents have trace contaminants that will accelerate radiodecomposition.^{1,2}
- Recheck your labeled compounds for purity at appropriate intervals. Every labeled compound stored for more than six months should be checked for radiopurity; some compounds should be checked more often. If in doubt, reanalyze.

PerkinElmer's *Guide to the Safe Handling of Radioactive Materials in Research* contains comprehensive information regarding the storage and handling of radiochemicals. To obtain the guide, please contact your local PerkinElmer Sales Representative, Customer Care group, or order it online at www.perkinelmer.com/radioactivity. Our Customer Care group is available to answer your questions and help you make the most effective use of your PerkinElmer NEN Radiochemicals.

¹ Geller, L. E. and Silberman, N. *Steroids*. **9**:159 (1967).

² Geller, L. E. and Silberman, N. *J. Labeled Compds*. **5**:66 (1968).

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NEN Radiochemicals Technical & Safety Information

Radionuclide Safe Handling Guides/Radionuclide Decay Tables

Radionuclide Safe Handling Guides

Our Safe Handling Guides contain general safe handling precautions and procedures, as well as physical data and decay charts. You can download Safe Handling Guides for common radionuclides from our website at www.perkinelmer.com/radioactivity.

While we believe the information to be accurate, regulatory requirements may change and information contained is not tailored to individual needs. Please consult a radiation protection specialist for specific applications.

Radionuclide Decay Tables

Phosphorus-32

DAYS	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5
0	1.000	0.976	0.953	0.930	0.908	0.886	0.865	0.844	0.824	0.804
5	0.785	0.766	0.748	0.730	0.712	0.695	0.678	0.662	0.646	0.631
10	0.616	0.601	0.587	0.573	0.559	0.545	0.532	0.520	0.507	0.495
15	0.483	0.472	0.460	0.449	0.438	0.428	0.418	0.408	0.398	0.388
20	0.379	0.370	0.361	0.353	0.344	0.336	0.328	0.320	0.312	0.305
25	0.297	0.290	0.283	0.277	0.270	0.264	0.257	0.251	0.245	0.239
30	0.233	0.228	0.222	0.217	0.212	0.207	0.202	0.197	0.192	0.188
35	0.183	0.179	0.174	0.170	0.166	0.162	0.158	0.155	0.151	0.147
40	0.144	0.140	0.137	0.134	0.130	0.127	0.124	0.121	0.118	0.116
45	0.113	0.110	0.107	0.105	0.102	0.100	0.098	0.095	0.093	0.091
50	0.088	0.086	0.084	0.082	0.080	0.078	0.077	0.075	0.073	0.071
55	0.069	0.068	0.066	0.065	0.063	0.062	0.060	0.059	0.057	0.056
60	0.054	0.053	0.052	0.051	0.049	0.048	0.047	0.046	0.045	0.044

³²P
14.29 d
β- 1.71
No γ
E 1.71

Phosphorus-33

DAYS	0	1	2	3	4	5	6	7	8	9
0	1.000	0.973	0.947	0.921	0.897	0.872	0.849	0.826	0.804	0.782
10	0.761	0.741	0.721	0.701	0.683	0.664	0.646	0.629	0.612	0.595
20	0.579	0.564	0.549	0.534	0.520	0.506	0.492	0.479	0.466	0.453
30	0.441	0.429	0.418	0.406	0.395	0.385	0.374	0.364	0.355	0.345
40	0.336	0.327	0.318	0.309	0.301	0.293	0.285	0.277	0.270	0.263
50	0.256	0.249	0.242	0.236	0.229	0.223	0.217	0.211	0.205	0.200
60	0.195	0.189	0.184	0.179	0.174	0.170	0.165	0.161	0.156	0.152
70	0.148	0.144	0.140	0.136	0.133	0.129	0.126	0.122	0.119	0.116
80	0.113	0.110	0.107	0.104	0.101	0.098	0.096	0.093	0.091	0.088
90	0.086	0.084	0.081	0.079	0.077	0.075	0.073	0.071	0.069	0.067
100	0.065	0.064	0.062	0.060	0.059	0.057	0.055	0.054	0.053	0.051
110	0.050	0.048	0.047	0.046	0.045	0.043	0.042	0.041	0.040	0.039
120	0.038	0.037	0.036	0.035	0.034	0.033	0.032	0.031	0.030	0.030

³³P
25.4 d
β- 0.249
No γ
E 0.249

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Technical Support e-mail: techsupport@perkinelmer.com, techsupport.europe@perkinelmer.com

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NEN Radiochemicals Technical & Safety Information

Radionuclide Decay Tables

Iodine-125

DAYS	0	2	4	6	8	10	12	14	16	18
0	1.000	0.977	0.955	0.933	0.912	0.891	0.871	0.851	0.831	0.812
20	0.794	0.776	0.758	0.741	0.724	0.707	0.691	0.675	0.660	0.645
40	0.630	0.616	0.602	0.588	0.574	0.561	0.548	0.536	0.524	0.512
60	0.500	0.489	0.477	0.467	0.456	0.445	0.435	0.425	0.416	0.406
80	0.397	0.388	0.379	0.370	0.362	0.354	0.345	0.338	0.330	0.322
100	0.315	0.308	0.301	0.294	0.287	0.281	0.274	0.268	0.262	0.256
120	0.250	0.244	0.239	0.233	0.228	0.223	0.218	0.213	0.208	0.203
140	0.198	0.194	0.189	0.185	0.181	0.177	0.173	0.169	0.165	0.161
160	0.157	0.154	0.150	0.147	0.144	0.140	0.137	0.134	0.131	0.128
180	0.125	0.122	0.119	0.117	0.114	0.111	0.109	0.106	0.104	0.102
200	0.099	0.097	0.095	0.093	0.090	0.088	0.086	0.084	0.082	0.081
220	0.079	0.077	0.075	0.073	0.072	0.070	0.069	0.067	0.065	0.064
240	0.063	0.061	0.060	0.058	0.057	0.056	0.054	0.053	0.052	0.051

¹²⁵I
60.14 d
EC
γ 0.035
X-ray 0.027
E 0.177

Chromium-51

DAYS	0	1	2	3	4	5	6	7	8	9
0	1.000	0.975	0.951	0.928	0.905	0.882	0.861	0.839	0.819	0.798
10	0.779	0.760	0.741	0.722	0.705	0.687	0.670	0.654	0.638	0.622
20	0.606	0.591	0.577	0.563	0.549	0.535	0.522	0.509	0.496	0.484
30	0.472	0.461	0.449	0.438	0.427	0.417	0.406	0.396	0.387	0.377

⁵¹Cr
27.7 d
EC
γ 0.320
E 0.752



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NEN Radiochemicals Technical & Safety Information

Radionuclide Decay Tables

Sulfur-35

DAYS	0	3	6	9	12	15	18	21	24	27
0	1.000	0.976	0.954	0.931	0.909	0.888	0.867	0.847	0.827	0.807
30	0.788	0.770	0.752	0.734	0.717	0.700	0.683	0.667	0.652	0.636
60	0.621	0.607	0.592	0.579	0.565	0.552	0.539	0.526	0.514	0.502
90	0.490	0.478	0.467	0.456	0.445	0.435	0.425	0.415	0.405	0.395
120	0.386	0.377	0.368	0.359	0.351	0.343	0.335	0.327	0.319	0.312
150	0.304	0.297	0.290	0.283	0.277	0.270	0.264	0.258	0.252	0.246
180	0.240	0.234	0.229	0.223	0.218	0.213	0.208	0.203	0.198	0.194
210	0.189	0.185	0.180	0.176	0.172	0.168	0.164	0.160	0.156	0.153
240	0.149	0.146	0.142	0.139	0.136	0.132	0.129	0.126	0.123	0.120
270	0.118	0.115	0.112	0.109	0.107	0.104	0.102	0.099	0.097	0.095
300	0.093	0.090	0.088	0.086	0.084	0.082	0.080	0.078	0.077	0.075
330	0.073	0.071	0.070	0.068	0.066	0.065	0.063	0.062	0.060	0.059
360	0.058	0.056	0.055	0.054	0.052	0.051	0.050	0.049	0.048	0.046

³⁵S
87.4 d
β- 0.167
No γ
E 0.167

Tritium

	MONTHS											
	0	1	2	3	4	5	6	7	8	9	10	11
0	1.000	0.995	0.991	0.986	0.981	0.977	0.972	0.968	0.963	0.959	0.954	0.950
1	0.945	0.941	0.936	0.932	0.928	0.923	0.919	0.915	0.910	0.906	0.902	0.898
2	0.893	0.889	0.885	0.881	0.877	0.873	0.869	0.865	0.860	0.856	0.852	0.848
3	0.844	0.841	0.837	0.833	0.829	0.825	0.821	0.817	0.813	0.810	0.806	0.802
4	0.798	0.794	0.791	0.787	0.783	0.780	0.776	0.772	0.769	0.765	0.762	0.758
5	0.754	0.751	0.747	0.744	0.740	0.737	0.733	0.730	0.727	0.723	0.720	0.716
6	0.713	0.710	0.706	0.703	0.700	0.697	0.693	0.690	0.687	0.684	0.680	0.677
7	0.674	0.671	0.668	0.665	0.661	0.658	0.655	0.652	0.649	0.646	0.643	0.640
8	0.637	0.634	0.631	0.628	0.625	0.622	0.619	0.616	0.614	0.611	0.608	0.605
9	0.602	0.599	0.597	0.594	0.591	0.588	0.585	0.583	0.580	0.577	0.575	0.572
10	0.569	0.567	0.564	0.561	0.559	0.556	0.553	0.551	0.548	0.546	0.543	0.541
11	0.538	0.535	0.533	0.530	0.528	0.526	0.523	0.521	0.518	0.516	0.513	0.511
12	0.509	0.506	0.504	0.501	0.499	0.497	0.494	0.492	0.490	0.487	0.485	0.483

³H
12.28 y
β- 0.019
No γ
E 0.019

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NEN Radiochemicals Technical & Safety Information

Common Radiochemical Measurements & Conversions

Common Radiochemical Measurements & Conversions

International System of Units

The International System of Units (Système Internationale, or SI) adopted the becquerel (Bq) as the unit for radiation measurement in 1975, acting on the recommendation of the International Commission of Radiation Units and Measurements (ICRU).

$$1 \text{ Bq} = 1 \text{ disintegration per second} = 2.7 \times 10^{-11} \text{ curie (Ci)}$$

In this catalog's radiochemical product listing, curies are listed first, followed by becquerels, which are shown in parentheses. We have included several tables and formulas to assist you in using your preferred unit of measure.

Common Prefixes for SI Units

These SI prefixes are used to form decimal multiples and submultiples of units.

Prefix	Symbol	Factor
exa	E	10^{18}
penta	P	10^{15}
tera	T	10^{12}
giga	G	10^9
mega	M	10^6
kilo	k	10^3

Prefix	Symbol	Factor
milli	m	10^{-3}
micro	μ	10^{-6}
nano	n	10^{-9}
pico	p	10^{-12}
femto	f	10^{-15}
atto	a	10^{-18}



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Conversion Tables & Formulas

SI & Non-SI Unit Conversions

Physical quantity	To convert from	to	Multiply by
Activity	becquerel (Bq)	curie	2.7×10^{-11}
	curie (Ci)	becquerel	3.7×10^{10}
Absorbed dose	gray (Gy)	rad	100
	rad (rad)	gray	0.01
Dose equivalent	sievert (Sv)	rem	100
	rem (rem)	sievert	0.01

Curie to Becquerel Conversions

(Becquerel equivalents from 1 microcurie to 100 curies)

Conversion			
From	To	From	To
μCi	kBq	μCi	kBq
mCi	MBq	mCi	MBq
Ci	GBq	Ci	GBq
1	37	35	1295
2	74	40	1480
3	111	45	1665
4	148	50	1850
5	185	55	2035
6	222	60	2220
7	259	65	2405
8	296	70	2590
9	333	75	2775
10	370	80	2960
15	555	85	3145
20	740	90	3330
25	925	95	3515
30	1110	100	3700

Millicurie Equivalents

1,000 millicuries (mCi) = 1 curie (Ci)
 1,000 microcuries (μCi) = 1 millicurie (mCi)
 250 microcuries (μCi) = 0.25 millicurie (mCi)
 100 microcuries (μCi) = 0.10 millicurie (mCi)
 50 microcuries (μCi) = 0.05 millicurie (mCi)
 1 microcurie (μCi) = 0.001 millicurie (mCi)

Activity Equivalents: Becquerel or Curie to DPM to DPS

1 becquerel = 1 DPS
 1 curie = 2.22×10^{12} DPM = 3.7×10^{10} DPS
 1 millicurie = 2.22×10^9 DPM = 3.7×10^7 DPS
 1 microcurie = 2.22×10^6 DPM = 3.7×10^4 DPS

Time Equivalents: Day to Minutes to Seconds

1 day = 1.44×10^3 mins = 8.64×10^4 secs
 1 year = 5.26×10^5 mins = 3.16×10^7 secs

Mass Equivalents: Grams to Moles DNA

1 μg of 1,000 bp DNA = 1.52 pmole (3.03 pmol of ends)
 1 μg of pBR322 DNA = 0.36 pmole DNA
 1 pmole of 1,000 bp DNA = 0.66 μg
 1 mole of pBR322 DNA = 2.8 μg

What do you need

Find it all at PerkinElmer!



for *your* research?

PerkinElmer is your **one-stop source**
for reagents and instrumentation.

Proven technology, quality and expertise are some of the reasons for PerkinElmer's reputation as a trusted provider of total radiometric research solutions. We are the world leader in radiometric detection instrumentation. Our instrumentation has a world-class reputation for high performance and reliability. And, for the broadest choice of high quality reagents and consumables, look no further than our outstanding line of NEN Radiochemicals and liquid scintillation cocktails.

Our range of superior liquid scintillation analyzers and gamma counters is designed around your research needs, so you get the level of performance you need for the applications your laboratory performs. Plus our Sales Representatives can provide expert advice to help identify the optimum solution for you.



Tri-Carb 2800TR



Tri-Carb 2900TR

The Tri-Carb family of Liquid Scintillation Analyzers

The Tri-Carb family, the most popular LSAs in the world, is a range of computer-controlled benchtop liquid scintillation analyzers. They are the most versatile and sensitive instruments available for detecting small amounts of alpha, beta and gamma radioactivity.

- **Tri-Carb 2800TR:** the top choice for labs doing basic research applications, this **economical** CPM/single label DPM instrument can be expanded for more sophisticated applications.
- **Tri-Carb 2900TR:** for more sophisticated applications and demanding DPM counting, this **moderately priced** LSA can be expanded for environmental applications.
- **Tri-Carb 3100TR:** this **top-of-the-line**, fully-loaded LSA is suited for the most demanding applications. Can be expanded for environmental applications.
- **Tri-Carb 3100 TR/SL:** a **premium** instrument for multi-user labs doing both low level environmental and routine counting of higher activity levels for research applications.

continued

PerkinElmer is *your* one-stop source

MicroBeta



TopCount and MicroBeta Microplate Scintillation and Luminescence Counters

Our TopCount® and MicroBeta® Scintillation and Luminescence Counters are researchers' top choice for low and medium throughput applications. If you need a sensitive counter that can handle a variety of applications in different sample formats, choose MicroBeta. When you need sample capacity and throughput, choose TopCount, for high efficiency, low background counting in 24-, 96- and 384-well microplates and microvials.

WIZARD 1480



WIZARD 1470



WIZARD Automatic Gamma Counters

WIZARD® counters outperform any other gamma counters on the market with all types of samples and for every gamma counting application. Unique well-type detectors and sample changer system with advanced robotics, and highly-effective lead shielding, result in high counting efficiency, constant background and minimal crosstalk. Built-in RIACalc WIZ software provides comprehensive on-board data reduction and QC for RIA and other popular assay types such as chromium release, T_3 uptake, RAST assays and more.

1220 QUANTULUS Ultra Low Level Liquid Scintillation Spectrometer



This dedicated environmental counter delivers proven unsurpassed performance measuring extremely low levels of man-made, cosmogenic and other natural radionuclides. The QUANTULUS™ provides the lowest possible ^3H backgrounds and the highest beta and/or alpha liquid scintillation sensitivity and counting performance. Its superior, active background reduction capabilities strip variable cosmic and elevated environmental background components, allowing excellent long-term stability.

Sample Oxidizer Model 307



This instrument offers a simple, automatic method of preparation for samples that are otherwise difficult

to prepare for liquid scintillation counting. Providing reliable combustion of both single- and dual-labeled environmental, industrial and biological samples containing ^3H and/or ^{14}C , the Model 307 Sample Oxidizer uses a patented "open/close" flame oxidation technology.

for reagents and instrumentation.



Cyclone Plus Storage Phosphor System

The Cyclone™ Plus Storage Phosphor System lets you perform high resolution, filmless autoradiography right on your benchtop. This affordable imager is fast and easy to use, providing unsurpassed sensitivity, digital image analysis and flexibility. The only dedicated radiometric phosphor imager on the market, the Cyclone Plus can image gene arrays, electrophoresis gels, blots, thin layer chromatography samples, tissue sections and more using reusable phosphor screens.



Radiomatic Flow Scintillation Analyzers

For online monitoring of radiolabeled samples during HPLC separation, our Radiomatic® flow scintillation analyzers are the most cited FSAs worldwide because of their superior detection sensitivity, validated performance and proven reliability. Extensive, versatile flow cell offerings let you choose which ones best meet your application needs. And our full line of flow detection cocktails allows for optimum performance and safety. Built-in ProFSA or ProFSA Plus (21 CFR Part 11 compatible) instrument control and analysis software available on the 600 series instruments supports enhanced method development, analysis and reporting.



Radiochemicals Product Listing

A–Ac

Radiochemicals Product Listing

Product	Size	Product No.
A-85380, [¹²⁵ I]- 2200 Ci (81.4 TBq)/mmol Packaged in ethanol. Shipped in dry ice. Store at -20 °C. Fresh upon request.	10 µCi (370 kBq) 25 µCi (925 kBq)	NEX413010UC NEX413025UC
AB-MECA, [¹²⁵ I]-, (4-amino-3-[¹²⁵ I]iodobenzyl-5'-N-) 2200 Ci (81.4 TBq)/mmol Packaged in methanol. Shipped ambient. Store at 2–8 °C. Fresh lot: Second Monday of each month.	10 µCi (370 kBq) 50 µCi (1.85 MBq)	NEX312010UC NEX312050UC
Acetic acid, sodium salt, [¹⁻¹⁴ C]- 45–60 mCi (1.66–2.22 GBq)/mmol 1 mCi/mL Packaged in ethanol. Shipped ambient. Store at 2–8 °C.	1 mCi (37 MBq)	NEC084H001MC
Acetic acid, sodium salt, [1,2- ¹⁴ C]- 45–60 mCi (1.66–2.22 GBq)/mmol 0.1 mCi/mL Packaged in ethanol. Shipped ambient. Store at -20 °C.	50 µCi (1.85 MBq) 250 µCi (9.25 MBq) 1 mCi (37 MBq)	NEC553050UC NEC553250UC NEC553001MC
Acetic acid, sodium salt, [2- ¹⁴ C]- 45–60 mCi (1.66–2.22 GBq)/mmol 1 mCi/mL Packaged in ethanol. Shipped ambient. Store at 2–8 °C.	1 mCi (37 MBq)	NEC085H001MC
Acetic acid, sodium salt, [³ H]- 75–150 mCi (2.78–5.55 GBq)/mmol 10 mCi/mL Packaged in ethanol. Shipped ambient. Store at -20 °C.	5 mCi (185 MBq) 25 mCi (925 MBq)	NET003005MC NET003025MC
Acetic acid, sodium salt, [³ H]- 2–5 Ci (74–185 GBq)/mmol 10 mCi/mL Packaged in ethanol. Shipped ambient. Store at -20 °C.	5 mCi (185 MBq) 25 mCi (925 MBq)	NET003H005MC NET003H025MC
Acetyl-5-methoxy-tryptamine <i>See Melatonin.</i>		
Acetyl coenzyme A, [acetyl- ³ H]- 1–10 Ci (37–370 GBq)/mmol 0.1 mCi/mL Packaged under nitrogen in 0.01 M sodium acetate (pH 5.0). Shipped in dry ice. Store at -20 °C.	50 µCi (1.85 MBq) 250 µCi (9.25 MBq)	NET290050UC NET290250UC
Acetyl coenzyme A, [acetyl- ³ H]- CAT assay grade (fluor diffusion assay) 200 mCi (7.4 GBq)/mmol 0.5 mCi/mL Packaged in 0.01 M sodium acetate (pH 5.0) under nitrogen. Shipped in dry ice. Store at -20 °C.	50 µCi (1.85 MBq) 250 µCi (9.25 MBq)	NET290L050UC NET290L250UC

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Product	Size	Product No.
Acetyl coenzyme A, [acetyl-1- ¹⁴ C]-	10 µCi (370 kBq)	NEC313010UC
40–60 mCi (1.48–2.22 GBq)/mmol	50 µCi (1.85 MBq)	NEC313050UC
0.02 mCi/mL		
Packaged under nitrogen in 0.01 M sodium acetate (pH 5.0).		
Shipped in dry ice. Store at -20 °C.		
Acetyl coenzyme A, [acetyl-1- ¹⁴ C]-	10 µCi (370 kBq)	NEC313L010UC
CAT assay grade	50 µCi (1.85 MBq)	NEC313L050UC
4 mCi (148 MBq)/mmol		
0.01 mCi/mL		
Packaged in 0.01 M sodium acetate (pH 5.0) under nitrogen.		
Shipped in dry ice. Store at -20 °C.		
Acetylcholine iodide, [acetyl- ³ H]-	1 mCi (37 MBq)	NET113001MC
50–100 mCi (1.85–3.7 GBq)/mmol		
Packaged as a crystalline solid in a screw-cap bottle that protects contents from UV light.		
Shipped ambient. Store at 2–8 °C.		
Acylovir, [side chain-2- ³ H]-	250 µCi (9.25 MBq)	NET883250UC
15–35 Ci (0.555–1.29 TBq)/mmol	1 mCi (37 MBq)	NET883001MC
1 mCi/mL		
Packaged in ethanol:water (30:70).		
Shipped in dry ice. Store at -20 °C.		
Adenine, [2,8- ³ H]-	1 mCi (37 MBq)	NET063001MC
20–40 Ci (0.74–1.48 TBq)/mmol	5 mCi (185 MBq)	NET063005MC
1 mCi/mL		
Steri-packaged in an aqueous solution. Not for human use.		
Shipped ambient. Store at 2–8 °C.		
Adenosine 3',5'-cyclic phosphate, ammonium salt, [2,8- ³ H]-	250 µCi (9.25 MBq)	NET275250UC
25–40 Ci (0.925–1.48 TBq)/mmol	1 mCi (37 MBq)	NET275001MC
1 mCi/mL		
Packaged in ethanol:water (1:1).		
Shipped in dry ice. Store at -20 °C.		
Adenosine 3',5'-cyclic phosphoric acid, 2'-O-succinyl, [¹²⁵ I]-iodotyrosine methyl ester	1 µCi (37 kBq)	NEX130001UC
2200 Ci (81.4 TBq)/mmol	5 µCi (185 kBq)	NEX130005UC
Packaged in 1-propanol:0.02 M sodium acetate (pH 6.0) (1:1).	50 µCi (1.85 MBq)	NEX130050UC
Shipped ambient. Store at 2–8 °C.		
Fresh lot: First Monday of each month.		
Adenosine 5'-diphosphate, trisodium salt, [8- ¹⁴ C]-	10 µCi (370 kBq)	NEC559010UC
40–60 mCi (1.48–2.22 GBq)/mmol	50 µCi (1.85 MBq)	NEC559050UC
0.02 mCi/mL		
Packaged in ethanol:water (1:1).		
Shipped in dry ice. Store at -20 °C.		
Adenosine 5'-diphosphate, trisodium salt, [2,8- ³ H]-	250 µCi (9.25 MBq)	NET241250UC
25–40 Ci (0.925–1.48 TBq)/mmol		
1 mCi/mL		
Packaged in ethanol:water (1:1).		
Shipped in dry ice. Store at -20 °C.		
Adenosine 5'-(α-thio) triphosphate	2 µmol	NLP016002UM
Non-labeled material.	5 µmol	NLP016005UM
Packaged as a stabilized aqueous solution.	25 µmol	NLP016025UM
Shipped in dry ice. Store at -20 °C or below.	100 µmol	NLP016100UM
Fresh lot: First Tuesday of each month.		

Radiochemicals Product Listing

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Product	Size	Product No.
Adenosine 5'-(α -thio) triphosphate, [35 S]- 1250 Ci (46.2 TBq)/mmol 12.5 mCi/mL Packaged as a stabilized aqueous solution. Shipped in dry ice. Store at -20 °C or below. Fresh lot: First Tuesday of each month.	250 μ Ci (9.25 MBq) 1 mCi (37 MBq)	NEG033H250UC NEG033H001MC
Adenosine 5'-(γ -thio) triphosphate, [35 S]- 25–100 Ci (0.925–3.7 TBq)/mmol 12.5 mCi/mL Packaged in 10 mM tricine (pH 7.6) with 10 mM DTT. Shipped in dry ice. Store at -20 °C or below. Fresh lot: First Tuesday of each month.	250 μ Ci (9.25 MBq) 1 mCi (37 MBq)	NEG027H250UC NEG027H001MC
Adenosine 5'-(γ -thio) triphosphate, [35 S]- 1250 Ci (46.2 TBq)/mmol 12.5 mCi/mL Packaged in 10 mM tricine (pH 7.6) with 10 mM DTT. Shipped in dry ice. Store at -20 °C or below. Fresh lot: First Tuesday of each month.	250 μ Ci (9.25 MBq) 1 mCi (37 MBq)	NEG027H250UC NEG027H001MC
Adenosine 5'-triphosphate, tetrasodium salt, [2,8- 3 H]- 25–40 Ci (0.925–1.48 TBq)/mmol 1 mCi/mL Packaged in ethanol:water (1:1). Shipped in dry ice. Store at -20 °C.	250 μ Ci (9.25 MBq) 1 mCi (37 MBq)	NET420250UC NET420001MC
Adenosine 5'-triphosphate, [α - 32 P]- 800 Ci (29.6 TBq)/mmol 10 mCi/mL Packaged in 50 mM tricine buffer (pH 7.6). Lead-free packaging. Shipped in dry ice. Store at -20 °C or below. Fresh lot: Every Monday and Thursday.	250 μ Ci (9.25 MBq) 500 μ Ci (18.5 MBq) 1 mCi (37 MBq)	BLU003X250UC BLU003X500UC BLU003X001MC
Adenosine 5'-triphosphate, [α - 32 P]-, (EasyTides) 3000 Ci (111 TBq)/mmol 10 mCi/mL Packaged in 50 mM tricine buffer (pH 7.6) with green dye. Lead-free packaging. Shipped ambient. Store at 2–8 °C or below. Fresh lot: Every Monday and Thursday.	250 μ Ci (9.25 MBq) 500 μ Ci (18.5 MBq) 1 mCi (37 MBq)	BLU503H250UC BLU503H500UC BLU503H001MC
Adenosine 5'-triphosphate, [α - 32 P]- 3000 Ci (111 TBq)/mmol 10 mCi/mL Packaged in 50 mM tricine buffer (pH 7.6). Lead-free packaging. Shipped in dry ice. Store at -20 °C or below. Fresh lot: Every Monday and Thursday.	250 μ Ci (9.25 MBq) 500 μ Ci (18.5 MBq) 1 mCi (37 MBq)	BLU003H250UC BLU003H500UC BLU003H001MC
Adenosine 5'-triphosphate, [γ - 32 P]- 10 Ci (370 GBq)/mmol 2 mCi/mL Packaged in 10 mM tricine buffer (pH 7.6). Lead-free packaging. Shipped in dry ice. Store at -20 °C or below. Fresh lot: Every Monday and Thursday.	250 μ Ci (9.25 MBq) 500 μ Ci (18.5 MBq) 1 mCi (37 MBq)	BLU002250UC BLU002500UC BLU002001MC

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Product	Size	Product No.
Adenosine 5'-triphosphate, [γ - ^{32}P]- 10 Ci (370 GBq)/mmol 2 mCi/mL Packaged in 10 mM tricine buffer (pH 7.6). Shipped in lead. Shipped in dry ice. Store at -20 °C or below. Fresh lot: Every Monday and Thursday.	250 μCi (9.25 MBq)	NEG002250UC
Adenosine 5'-triphosphate, [γ - ^{32}P]-, (EasyTides) 3000 Ci (111 TBq)/mmol 5 mCi/mL Packaged in 50 mM tricine buffer (pH 7.6) with green dye. Lead-free packaging. Shipped ambient. Store at 2–8 °C or below. Fresh lot: Every Monday and Thursday.	250 μCi (9.25 MBq) 500 μCi (18.5 MBq) 1 mCi (37 MBq)	BLU502H250UC BLU502H500UC BLU502H001MC
Adenosine 5'-triphosphate, [γ - ^{32}P]-, (EasyTides) 3000 Ci (111 TBq)/mmol 5 mCi/mL Packaged in 50 mM tricine buffer (pH 7.6) with green dye. Shipped in lead. Shipped ambient. Store at 2–8 °C or below. Fresh lot: Every Monday and Thursday.	250 μCi (9.25 MBq) 500 μCi (18.5 MBq) 1 mCi (37 MBq)	NEG502H250UC NEG502H500UC NEG502H001MC
Adenosine 5'-triphosphate, [γ - ^{32}P]- 3000 Ci (111 TBq)/mmol 5 mCi/mL Packaged in 10 mM tricine buffer (pH 7.6). Lead-free packaging. Shipped in dry ice. Store at -20 °C or below. Fresh lot: Every Monday and Thursday.	250 μCi (9.25 MBq) 500 μCi (18.5 MBq) 1 mCi (37 MBq)	BLU002H250UC BLU002H500UC BLU002H001MC
Adenosine 5'-triphosphate, [γ - ^{32}P]- 3000 Ci (111 TBq)/mmol 5 mCi/mL Packaged in 10 mM tricine buffer (pH 7.6). Shipped in lead. Shipped in dry ice. Store at -20 °C or below. Fresh lot: Every Monday and Thursday.	250 μCi (9.25 MBq) 500 μCi (18.5 MBq) 1 mCi (37 MBq)	NEG002H250UC NEG002H500UC NEG002H001MC
Adenosine 5'-triphosphate, [γ - ^{32}P]-, (EasyTides) 3000 Ci (111 TBq)/mmol 10 mCi/mL Packaged in 50 mM tricine buffer (pH 7.6) with green dye. Lead-free packaging. Shipped ambient. Store at 2–8 °C or below. Fresh lot: Every Monday and Thursday.	100 μCi (3.7 MBq) 250 μCi (9.25 MBq) 500 μCi (18.5 MBq) 1 mCi (37 MBq)	BLU502A100UC BLU502A250UC BLU502A500UC BLU502A001MC
Adenosine 5'-triphosphate, [γ - ^{32}P]-, (EasyTides) 3000 Ci (111 TBq)/mmol 10 mCi/mL Packaged in 50 mM tricine buffer (pH 7.6) with green dye. Shipped in lead. Shipped ambient. Store at 2–8 °C or below. Fresh lot: Every Monday and Thursday.	100 μCi (3.7 MBq) 250 μCi (9.25 MBq) 500 μCi (18.5 MBq) 1 mCi (37 MBq) 5 mCi (185 MBq)	NEG502A100UC NEG502A250UC NEG502A500UC NEG502A001MC NEG502A005MC
Adenosine 5'-triphosphate, [γ - ^{32}P]- 3000 Ci (111 TBq)/mmol 10 mCi/mL Packaged in 10 mM tricine buffer (pH 7.6). Lead-free packaging. Shipped in dry ice. Store at -20 °C or below. Fresh lot: Every Monday and Thursday.	100 μCi (3.7 MBq) 250 μCi (9.25 MBq) 500 μCi (18.5 MBq) 1 mCi (37 MBq)	BLU002A100UC BLU002A250UC BLU002A500UC BLU002A001MC

Radiochemicals Product Listing

Ad-Ad

Product	Size	Product No.
Adenosine 5'-triphosphate, [γ - ^{32}P]- 3000 Ci (111 TBq)/mmol 10 mCi/mL Packaged in 10 mM tricine buffer (pH 7.6). Shipped in lead. Shipped in dry ice. Store at -20 °C or below. Fresh lot: Every Monday and Thursday.	100 μCi (3.7 MBq) 250 μCi (9.25 MBq) 500 μCi (18.5 MBq) 1 mCi (37 MBq) 5 mCi (185 MBq)	NEG002A100UC NEG002A250UC NEG002A500UC NEG002A001MC NEG002A005MC
Adenosine 5'-triphosphate, [γ - ^{32}P]-, (EasyTides) 6000 Ci (222 TBq)/mmol 10 mCi/mL Packaged in 50 mM tricine buffer (pH 7.6) with green dye. Lead-free packaging. Shipped ambient. Store at 2–8 °C or below. Fresh lot: Every Monday and Thursday.	250 μCi (9.25 MBq) 500 μCi (18.5 MBq) 1 mCi (37 MBq)	BLU502Z250UC BLU502Z500UC BLU502Z001MC
Adenosine 5'-triphosphate, [γ - ^{32}P]-, (EasyTides) 6000 Ci (222 TBq)/mmol 10 mCi/mL Packaged in 50 mM tricine buffer (pH 7.6) in green dye. Shipped in lead. Shipped ambient. Store at 2–8 °C or below. Fresh lot: Every Monday and Thursday.	250 μCi (9.25 MBq) 500 μCi (18.5 MBq) 1 mCi (37 MBq)	NEG502Z250UC NEG502Z500UC NEG502Z001MC
Adenosine 5'-triphosphate, [γ - ^{32}P]- 6000 Ci (222 TBq)/mmol 10 mCi/mL Packaged in 10 mM tricine buffer (pH 7.6). Lead-free packaging. Shipped in dry ice. Store at -20 °C or below. Fresh lot: Every Monday and Thursday.	250 μCi (9.25 MBq) 500 μCi (18.5 MBq)	BLU002Z250UC BLU002Z500UC
Adenosine 5'-triphosphate, [γ - ^{32}P]- 6000 Ci (222 TBq)/mmol 10 mCi/mL Packaged in 10 mM tricine buffer (pH 7.6). Shipped in lead. Shipped in dry ice. Store at -20 °C or below. Fresh lot: Every Monday and Thursday.	250 μCi (9.25 MBq) 500 μCi (18.5 MBq) 1 mCi (37 MBq)	NEG002Z250UC NEG002Z500UC NEG002Z001MC
Adenosine 5'-triphosphate, [γ - ^{32}P]- 6000 Ci (222 TBq)/mmol 150 mCi/mL Packaged in 10 mM tricine buffer (pH 7.6). Shipped in lead. Shipped in dry ice. Store at -20 °C or below. Fresh lot: Every Monday and Thursday.	1 mCi (37 MBq) 5 mCi (185 MBq) 10 mCi (370 MBq)	NEG035C001MC NEG035C005MC NEG035C010MC
Adenosine 5'-triphosphate, [α - ^{33}P]-, (EasyTides) 3000 Ci (111 TBq)/mmol 10 mCi/mL Packaged in 50 mM tricine buffer (pH 7.6) with amber gold dye. Shipped ambient. Store at 2–8 °C or below. Fresh lot: Every Friday.	250 μCi (9.25 MBq) 1 mCi (37 MBq)	NEG603H250UC NEG603H001MC
Adenosine 5'-triphosphate, [γ - ^{33}P]-, (EasyTides) 3000 Ci (111 TBq)/mmol 10 mCi/mL Packaged in 50 mM tricine buffer (pH 7.6) with amber gold dye. Shipped ambient. Store at 2–8 °C or below. Fresh lot: Every Friday.	100 μCi (3.7 MBq) 250 μCi (9.25 MBq) 1 mCi (37 MBq)	NEG602H100UC NEG602H250UC NEG602H001MC

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Product	Size	Product No.
Adenosine 5'-triphosphate, [γ - ^{32}P]- 3000 Ci (111 TBq)/mmol 10 mCi/mL Packaged in 10 mM tricine buffer (pH 7.6). Shipped in dry ice. Store at -20 °C or below. Fresh lot: Every Friday.	250 μCi (9.25 MBq) 1 mCi (37 MBq)	NEG302H250UC NEG302H001MC
Adenosyl-L-methionine, S-[methyl- ^{14}C]- 40–60 mCi (1.48–2.22 GBq)/mmol 0.02 mCi/mL Packaged in 10 mM sulfuric acid:ethanol (9:1). Shipped in dry ice. Store at -20 °C.	10 μCi (370 kBq) 50 μCi (1.85 MBq)	NEC363010UC NEC363050UC
Adenosyl-L-methionine, S-[methyl- ^3H]- 5–15 Ci (185–555 GBq)/mmol 0.55 mCi/mL Packaged in 10 mM sulfuric acid:ethanol (9:1). Shipped in dry ice. Store at -20 °C.	50 μCi (1.85 MBq) 250 μCi (9.25 MBq) 1 mCi (37 MBq)	NET155050UC NET155250UC NET155001MC
Adenosyl-L-methionine, S-[methyl- ^3H]- 55–85 Ci (2.03–3.15 TBq)/mmol 0.55 mCi/mL Packaged in 10 mM sulfuric acid:ethanol (9:1) under argon. Shipped in dry ice. Store at -20 °C.	250 μCi (9.25 MBq) 1 mCi (37 MBq)	NET155H250UC NET155H001MC
Adrenaline <i>See Epinephrine.</i>		
Adrenomedullin (Tyr), [^{125}I]-, (human, 13–52) 2200 Ci (81.4 TBq)/mmol Packaged in 0.1% TFA and 0.4% BSA:46% 1-propanol and 54% acetonitrile (1:1). Shipped ambient. Store at -20 °C. Fresh upon request.	10 μCi (370 kBq) 25 μCi (925 kBq)	NEX385010UC NEX385025UC
AEA <i>See Anandamide.</i>		
AF-DX 384, [2,3-dipropylamino- ^3H]- 100–160 Ci (3.7–5.92 TBq)/mmol 1 mCi/mL Packaged in 0.5 N HCl in ethanol under nitrogen in a vial that protects contents from UV light. Shipped in dry ice. Store at -20 °C.	25 μCi (925 kBq) 250 μCi (9.25 MBq) 1 mCi (37 MBq)	NET1041025UC NET1041250UC NET1041001MC
AGRP (Ac-87-132), [^{125}I]-, (human, synthetic) 2200 Ci (81.4 TBq)/mmol Packaged in 100 mM tris-HCl (pH 7.5) containing 0.1% BSA and N-Ac-Met:acetonitrile (9:1). Shipped in dry ice. Store at -20 °C. Fresh lot: First Monday of each month.	10 μCi (370 kBq) 25 μCi (925 kBq)	NEX372010UC NEX372025UC
Alanine, L-[^{14}C (U)]- >150 mCi (5.55 GBq)/mmol 0.1 mCi/mL Steri-packaged in ethanol:water (2:98). Not for human use. Shipped ambient. Store at 2–8 °C.	50 μCi (1.85 MBq) 250 μCi (9.25 MBq) 1 mCi (37 MBq)	NEC266E050UC NEC266E250UC NEC266E001MC
Alanine, L-[3- ^3H]- 65–85 Ci (2.41–3.15 TBq)/mmol 1 mCi/mL Steri-packaged in ethanol:water (2:98). Not for human use. Shipped ambient. Store at 2–8 °C.	250 μCi (9.25 MBq) 5 mCi (185 MBq)	NET348250UC NET348005MC

Radiochemicals Product Listing

Al–An

Product	Size	Product No.
Albumin, Bovine Serum, [125 I]-, ([125 I]-BSA) 1–5 μ Ci (37–185 kBq)/ μ g Packaged in a phosphate buffer (pH 7.5). Shipped in dry ice. Store at -20 °C. Fresh lot: Fourth Monday of each month.	500 μ Ci (18.5 MBq) 1 mCi (37 MBq)	NEX076500UC NEX076001MC
Aldosterone, D-[1,2,6,7- 3 H(N)]- 70–100 Ci (2.59–3.7 TBq)/mmol 1 mCi/mL Packaged in ethanol. Shipped in dry ice. Store at -20 °C.	250 μ Ci (9.25 MBq)	NET419250UC
Amino acid mixture, L. <i>See L-Amino acid mixture.</i>		
Amino-3-hydroxy-5-methylisoxazole-4-propionic acid, DL- α -[5-methyl- 3 H]-, (AMPA) 40–70 Ci (1.48–2.59 TBq)/mmol 1 mCi/mL Packaged in ethanol:water (1:1) under nitrogen in a silanized vial. Shipped in dry ice. Store at -20 °C.	25 μ Ci (925 kBq) 250 μ Ci (9.25 MBq) 1 mCi (37 MBq)	NET833025UC NET833250UC NET833001MC
Aminobutyric acid, γ -[2,3- 3 H(N)]-, (GABA) 25–40 Ci (0.925–1.48 TBq)/mmol 1 mCi/mL Packaged under nitrogen in 0.01 N HCl. Shipped ambient. Store at 2–8 °C.	250 μ Ci (9.25 MBq) 1 mCi (37 MBq)	NET191250UC NET191001MC
Aminobutyric acid, γ -[2,3- 3 H(N)]-, (GABA) 70–100 Ci (2.59–3.7 TBq)/mmol 1 mCi/mL Packaged under nitrogen in 0.01 N HCl. Shipped ambient. Store at 2–8 °C.	250 μ Ci (9.25 MBq) 1 mCi (37 MBq)	NET191X250UC NET191X001MC
Aminohippuric acid, p-[glycyl-1- 14 C]- 40–60 mCi (1.48–2.22 GBq)/mmol 0.1 mCi/mL Packaged in 0.01 N HCl in a vial that protects contents from UV light. Shipped ambient. Store at 2–8 °C.	50 μ Ci (1.85 MBq) 250 μ Ci (9.25 MBq)	NEC563050UC NEC563250UC
Aminohippuric acid, p-[glycyl-2- 3 H]- 1–5 Ci (37–185 GBq)/mmol 1 mCi/mL Packaged in 0.01 N HCl in a vial that protects contents from UV light. Shipped ambient. Store at 2–8 °C.	1 mCi (37 MBq) 5 mCi (185 MBq)	NET053001MC NET053005MC
AMPA <i>See Amino-3-hydroxy-5-methylisoxazole-4-priopronic acid.</i>		
Anandamide, [arachidonyl-5,6,8,9,11,12,14,15- 3 H]- 160–240 Ci (5.92–8.88 TBq)/mmol 0.1 mCi/mL Packaged in ethanol under argon in a silanized vial. Shipped in dry ice. Store at -20 °C.	25 μ Ci (925 kBq) 50 μ Ci (1.85 MBq) 250 μ Ci (9.25 MBq)	NET1073025UC NET1073050UC NET1073250UC
Androst-4-ene-3,17-dione, [1,2,6,7- 3 H(N)]- 70–110 Ci (2.59–4.07 TBq)/mmol 1 mCi/mL Packaged in ethanol. Shipped in dry ice. Store at -20 °C.	250 μ Ci (9.25 MBq) 1 mCi (37 MBq)	NET469250UC NET469001MC

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Product	Size	Product No.
Androst-4-ene-3,17-dione, [1 β - ³ H(N)]-	250 μ Ci (9.25 MBq)	NET926250UC
15–30 Ci (0.555–1.11 TBq)/mmol	1 mCi (37 MBq)	NET926001MC
1 mCi/mL	5 mCi (185 MBq)	NET926005MC
Packaged in ethanol.		
Shipped in dry ice. Store at -20 °C.		
Androst-4-ene-3,17-dione, [4- ¹⁴ C]-	10 μ Ci (370 kBq)	NEC136010UC
45–60 mCi (1.66–2.22 GBq)/mmol	50 μ Ci (1.85 MBq)	NEC136050UC
0.02 mCi/mL		
Packaged in ethanol.		
Shipped ambient. Store at 2–8 °C.		
Androstane-3 α ,17 β -diol, 5 α -[9,11- ³ H(N)]-	250 μ Ci (9.25 MBq)	NET806250UC
40–60 Ci (1.48–2.22 TBq)/mmol		
1 mCi/mL		
Packaged in ethanol.		
Shipped in dry ice. Store at -20 °C.		
Angiotensin I (Tyr ⁴), [¹²⁵ I]-, (human)	10 μ Ci (370 kBq)	NEX101010UC
2200 Ci (81.4 TBq)/mmol	50 μ Ci (1.85 MBq)	NEX101050UC
Packaged lyophilized from phosphate-buffered saline containing glycine, BSA and Trasylol®.		
Shipped ambient. Store at 2–8 °C.		
Fresh lot: First Monday of each month.		
Angiotensin II (Sar ¹ , Tyr ⁴ , Ile ⁸), [¹²⁵ I]-	10 μ Ci (370 kBq)	NEX248010UC
2200 Ci (81.4 TBq)/mmol	50 μ Ci (1.85 MBq)	NEX248050UC
Packaged lyophilized from phosphate-buffered saline (pH 4.6) containing glycine and heat-treated BSA.		
Shipped ambient. Store at 2–8 °C.		
Fresh lot: Second Monday of each month.		
Angiotensin II (Tyr ⁴), [¹²⁵ I]-, (human)	10 μ Ci (370 kBq)	NEX105010UC
2200 Ci (81.4 TBq)/mmol	50 μ Ci (1.85 MBq)	NEX105050UC
Packaged lyophilized from phosphate-buffered saline containing glycine, BSA and Trasylol®.		
Shipped ambient. Store at 2–8 °C.		
Fresh lot: Second Monday of each month.		
Angiotensin IV (Tyr ²), [¹²⁵ I]-, (human)	10 μ Ci (370 kBq)	NEX295010UC
2200 Ci (81.4 TBq)/mmol	50 μ Ci (1.85 MBq)	NEX295050UC
Packaged lyophilized from sodium phosphate buffer (pH 4.6) containing glycine, sodium chloride and BSA.		
Shipped ambient. Store at 2–8 °C.		
Fresh upon request.		
Anti-mouse IgG, whole antibody, [¹²⁵ I]-, (goat)	100 μ Ci (3.7 MBq)	NEX159100UC
2–10 μ Ci (74–370 kBq)/ μ g	250 μ Ci (9.25 MBq)	NEX159250UC
Packaged in phosphate-buffered saline containing BSA and Tween-80®.		
Shipped in dry ice. Store at -20 °C.		
Fresh lot: First Monday of each month.		
Anti-mouse IgG, whole antibody, [¹²⁵ I]-, (rabbit)	100 μ Ci (3.7 MBq)	NEX161100UC
2–10 μ Ci (74–370 kBq)/ μ g	250 μ Ci (9.25 MBq)	NEX161250UC
Packaged in phosphate-buffered saline containing BSA and Tween-80®.		
Shipped in dry ice. Store at -20 °C.		
Fresh lot: First Monday of each month.		
Anti-rabbit IgG, whole antibody, [¹²⁵ I]-, (goat)	100 μ Ci (3.7 MBq)	NEX155100UC
2–10 μ Ci (74–370 kBq)/ μ g	250 μ Ci (9.25 MBq)	NEX155250UC
Packaged in phosphate-buffered saline containing BSA and Tween-80®.		
Shipped in dry ice. Store at -20 °C.		
Fresh lot: First Monday of each month.		

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Radiochemicals Product Listing

An–As

Product	Size	Product No.
Antisauvagine-30 (8-1-His ²), [¹²⁵ I]- 2200 Ci (81.4 TBq)/mmol Packaged in 0.17 M acetic acid with 0.2% BSA and a stabilizer:acetonitrile (9:1). Shipped in dry ice. Store at -20 °C. Fresh upon request.	10 µCi (370 kBq) 25 µCi (925 kBq)	NEX399010UC NEX399025UC
Apamin (His ¹⁸ -NH ₂), [¹²⁵ I]- 2200 Ci (81.4 TBq)/mmol Packaged lyophilized from sodium phosphate buffer containing sodium chloride, glycine, and BSA (pH 5.1). Shipped ambient. Store at 2–8 °C. Fresh lot: Fourth Monday of odd months.	25 µCi (925 kBq) 50 µCi (1.85 MBq) 100 µCi (3.7 MBq)	NEX242025UC NEX242050UC NEX242100UC
Apelin 13 (Glp ⁶⁵ , Nle ⁷⁵ , Tyr ⁷⁷), [¹²⁵ I]- 2200 Ci (81.4 TBq)/mmol Packaged in 50 mM sodium acetate (pH 4.0) with 5% sucrose and 0.25% BSA. Shipped in dry ice. Store at 2–8 °C. Fresh upon request.	10 µCi (370 kBq) 25 µCi (925 kBq)	NEX393010UC NEX393025UC
Arachidonic acid, [1- ¹⁴ C]- 40–60 mCi (1.48–2.22 GBq)/mmol 0.1 mCi/mL Packaged in ethanol under argon in a silanized vial. Shipped in dry ice. Store at -20 °C.	10 µCi (370 kBq) 50 µCi (1.85 MBq)	NEC661010UC NEC661050UC
Arachidonic acid, [5,6,8,9,11,12,14,15- ³ H(N)]- 60–100 Ci (2.22–3.7 TBq)/mmol 0.1 mCi/mL Packaged in ethanol under argon in a silanized vial. Shipped in dry ice. Store at -20 °C.	50 µCi (1.85 MBq) 250 µCi (9.25 MBq)	NET298050UC NET298250UC
Arachidonic acid, [5,6,8,9,11,12,14,15- ³ H(N)]- 180–240 Ci (6.66–8.88 TBq)/mmol 0.1 mCi/mL Packaged in ethanol under argon in a silanized vial. Shipped in dry ice. Store at -20 °C.	50 µCi (1.85 MBq) 250 µCi (9.25 MBq)	NET298Z050UC NET298Z250UC
Arginine, L-[¹⁴ C(U)]- >300 mCi (11.1 GBq)/mmol 0.1 mCi/mL Steri-packaged in ethanol:water (2:98). Not for human use. Shipped ambient. Store at 2–8 °C.	50 µCi (1.85 MBq) 250 µCi (9.25 MBq)	NEC267E050UC NEC267E250UC
Arginine monohydrochloride, L-[2,3,4- ³ H]- 40–70 Ci (1.48–2.59 TBq)/mmol 1 mCi/mL Steri-packaged in ethanol:water (2:98). Not for human use. Shipped ambient. Store at 2–8 °C.	250 µCi (9.25 MBq) 1 mCi (37 MBq) 5 mCi (185 MBq)	NET1123250UC NET1123001MC NET1123005MC
Ascorbic acid, L-[1- ¹⁴ C]- 2–10 mCi (74–370 MBq)/mmol Packaged as a crystalline solid in a screw-cap bottle. Shipped ambient. Store at -20 °C.	50 µCi (1.85 MBq) 250 µCi (9.25 MBq)	NEC146050UC NEC146250UC
Aspartic acid, D-[2,3- ³ H]- 10–25 Ci (370–925 GBq)/mmol 1 mCi/mL Steri-packaged in ethanol:water (2:98). Not for human use. Shipped ambient. Store at 2–8 °C.	250 µCi (9.25 MBq) 1 mCi (37 MBq)	NET581250UC NET581001MC

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Product	Size	Product No.
Astemizole, [O-methyl- ³ H]-	25 µCi (925 kBq)	NET1140025UC
60–87 Ci (2.22–3.22 TBq)/mmol	250 µCi (9.25 MBq)	NET1140250UC
1 mCi/mL	1 mCi (37 MBq)	NET1140001MC
Packaged in ethanol under argon.		
Shipped in dry ice. Store at -20 °C.		
Baclofen, (-)-[butyl-4- ³ H(N)]-	250 µCi (9.25 MBq)	NET867250UC
30–50 Ci (1.11–1.85 TBq)/mmol		
1 mCi/mL		
Packaged in ethanol:water (7:3).		
Shipped ambient. Store at -20 °C.		
Batrachotoxinin A 20-α-benzoate, [benzoyl-2,5- ³ H]-	100 µCi (3.7 MBq)	NET876100UC
30–60 Ci (1.11–2.22 TBq)/mmol	250 µCi (9.25 MBq)	NET876250UC
1 mCi/mL		
Packaged in ethanol.		
Shipped in dry ice. Store at -80 °C.		
BeKm-1 (Tyr ¹¹), [¹²⁵ I]-	10 µCi (370 kBq)	NEX412010UC
2200 Ci (81.4 TBq)/mmol	25 µCi (925 kBq)	NEX412025UC
Packaged in 0.1% TFA and 0.4% BSA:46% 1-propanol and 54% acetonitrile (50:50).		
Shipped in dry ice. Store at -20 °C.		
Fresh upon request.		
Biotin, [8,9- ³ H(N)]-, (Vitamin H)	250 µCi (9.25 MBq)	NET721250UC
30–60 Ci (1.11–2.22 TBq)/mmol	1 mCi (37 MBq)	NET721001MC
1 mCi/mL		
Sterilized by filtration and dispensed under aseptic conditions.		
Packaged in an aqueous solution with 50 mM 2-mercaptoethanol under argon.		
Shipped in dry ice. Store at -80 °C.		
Bolton-Hunter Reagent, [¹²⁵ I]-, (monoiodinated)	250 µCi (9.25 MBq)	NEX120250UC
2200 Ci (81.4 TBq)/mmol	1 mCi (37 MBq)	NEX120001MC
Packaged in anhydrous benzene. A charcoal trap is provided with each vial.	2 mCi (74 MBq)	NEX120002MC
Shipped ambient. Store ambient.		
Fresh lot: Monday of each week.		
Bolton-Hunter Reagent, [¹²⁵ I]-, (diiodinated)	250 µCi (9.25 MBq)	NEX120H250UC
4400 Ci (163 TBq)/mmol	1 mCi (37 MBq)	NEX120H001MC
Packaged in anhydrous benzene. A charcoal trap is provided with each vial.	2 mCi (74 MBq)	NEX120H002MC
Shipped ambient. Store ambient.		
Fresh lot: Monday of each week.		
Bombesin (D-Tyr ⁶ , βAla ¹¹ , Phe ¹³ , Nle ¹⁴), [¹²⁵ I]-, (6–14)	10 µCi (370 kBq)	NEX377010UC
2200 Ci (81.4 TBq)/mmol	25 µCi (925 kBq)	NEX377025UC
Packaged in 0.2 M N-acetylmethionine, 50 mM phosphoric acid and 0.25% BSA:1-propanol (1:1).		
Shipped in dry ice. Store at -20 °C.		
Fresh lot: First Monday of each month.		
Bombesin (Tyr ⁴), [¹²⁵ I]-	10 µCi (370 kBq)	NEX258010UC
2200 Ci (81.4 TBq)/mmol	50 µCi (1.85 MBq)	NEX258050UC
Packaged in phosphate-buffered saline with BSA and a stabilizer (pH 3.4):1-propanol (1:1).		
Shipped in dry ice. Store at -20 °C.		
Fresh lot: Fourth Monday of each month.		
Bovine Serum Albumin		
See Albumin, Bovine Serum.		

Radiochemicals Product Listing

Br–Ca

Product	Size	Product No.
Bradykinin, [2,3-prolyl-3,4- ³ H(N)]-	50 µCi (1.85 MBq)	NET706050UC
80–120 Ci (2.96–4.44 TBq)/mmol	250 µCi (9.25 MBq)	NET706250UC
1 mCi/mL	1 mCi (37 MBq)	NET706001MC
Packaged in 0.2% TFA:acetonitrile (80:20) in a silanized vial.		
Shipped in dry ice. Store at -20 °C.		
Bradykinin, (Lys ⁶ , des-Arg ⁹)		
<i>See Kallidin.</i>		
Bradykinin B-1 agonist		
<i>See Kallidin (Des, Arg¹⁰).</i>		
BRL-43694, [9-methyl- ³ H]-	25 µCi (925 kBq)	NET1030025UC
50–90 Ci (1.85–3.33 TBq)/mmol	250 µCi (9.25 MBq)	NET1030250UC
1 mCi/mL		
Packaged in ethanol under argon in a silanized vial that protects contents from UV light.		
Shipped in dry ice. Store at -20 °C.		
BSA		
<i>See Albumin, Bovine Serum.</i>		
α-Bungarotoxin (Tyr ⁵⁴), [¹²⁵ I]-	50 µCi (1.85 MBq)	NEX126050UC
10–20 µCi (370–740 kBq)/µg	250 µCi (9.25 MBq)	NEX126250UC
Packaged lyophilized from phosphate-buffered saline (pH 4.2) containing glycine, BSA and Trasylol®.		
Shipped ambient. Store at 2–8 °C.		
Fresh lot: Second Monday of each month.		
Butyl bicyclopophosphorothionate, tertiary-[³⁵ S]-	100 µCi (3.7 MBq)	NEG049100UC
>60 Ci (2.22 TBq)/mmol	250 µCi (9.25 MBq)	NEG049250UC
2 mCi/mL		
Packaged in ethanol under nitrogen.		
Shipped in dry ice. Store at -20 °C.		
Fresh lot: First Tuesday of each month.		
C3a		
<i>See Complement C3a.</i>		
Caffeine, [1-methyl- ¹⁴ C]-	50 µCi (1.85 MBq)	NEC412050UC
40–60 mCi (1.48–2.22 GBq)/mmol		
0.1 mCi/mL		
Packaged in ethanol under nitrogen in a vial that protects contents from UV light.		
Shipped ambient. Store at -20 °C.		
Calcitonin Gene-Related Peptide, [¹²⁵ I]-, ([¹²⁵ I]-hCGRP), (human)	10 µCi (370 kBq)	NEX354010UC
2200 Ci (81.4 TBq)/mmol	50 µCi (1.85 MBq)	NEX354050UC
Packaged lyophilized from phosphate-buffered saline (pH 7.4) containing glycine and BSA.		
Shipped ambient. Store at 2–8 °C.		
Fresh lot: Third Monday of each month.		
Calcium-45 radionuclide	1 mCi (37 MBq)	NEZ013001MC
>10 Ci (370 GBq)/g	2 mCi (74 MBq)	NEZ013002MC
Packaged as calcium chloride in an aqueous solution.		
Shipped ambient. Store at 2–8 °C.		
Half life: 163 days		
Fresh lot: Every 4 weeks.		
5-Carboxamidotryptamine, [1,2- ³ H]-	25 µCi (925 kBq)	NET1071025UC
20–60 Ci (0.74–2.22 TBq)/mmol		
1 mCi/mL		
Packaged in ethanol under argon in a vial that protects contents from UV light.		
Shipped in dry ice. Store at -20 °C.		

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Product	Size	Product No.
Carnitine hydrochloride, L-[N-methyl- ¹⁴ C]-	10 µCi (370 kBq)	NEC797010UC
40–60 mCi (1.48–2.22 GBq)/mmol	50 µCi (1.85 MBq)	NEC797050UC
0.1 mCi/mL		
Steri-packaged in an aqueous solution in a silanized vial. Not for human use.		
Shipped ambient. Store at 2–8 °C.		
CCK-8		
<i>See Cholecystokinin octapeptide.</i>		
CCL15, [¹²⁵ I]-, (human, recombinant)	10 µCi (370 kBq)	NEX401010UC
2000–2800 Ci (74–104 TBq)/mmol	25 µCi (925 kBq)	NEX401025UC
Packaged in 0.05 M sodium acetate, 50 mM N-acetylmethionine, 5% sucrose and 0.25% BSA (pH 4.0).		
Shipped in dry ice. Store at -20 °C.		
Fresh upon request.		
Cerium-141 microspheres, 15 µ	100 µCi (3.7 MBq)	NEM022A100UC
1–20 mCi (37–740 MBq)/g	250 µCi (9.25 MBq)	NEM022A250UC
Packaged in normal saline, 10% dextran or 20% dextran; with or without 0.01% Tween-80®.		
Shipped ambient. Store at 2–8 °C.		
Cerium-141 radionuclide	1 mCi (37 MBq)	NEZ015001MC
>0.5 Ci (18.5 GBq)/g	2 mCi (74 MBq)	NEZ015002MC
Packaged in 0.5 M HCl.		
Shipped ambient. Store ambient.		
Half life: 32.53 days		
Fresh lot: Every 4 weeks.		
(-)-CGP-12177, [5,7- ³ H]-	25 µCi (925 kBq)	NET1061025UC
30–60 Ci (1.11–2.22 TBq)/mmol	250 µCi (9.25 MBq)	NET1061250UC
1 mCi/mL	1 mCi (37 MBq)	NET1061001MC
Packaged in ethanol under nitrogen in a silanized vial.		
Shipped in dry ice. Store at -20 °C.		
CGP 39653, [propyl-2,3- ³ H]-	25 µCi (925 kBq)	NET1050025UC
20–50 Ci (0.74–1.85 TBq)/mmol	250 µCi (9.25 MBq)	NET1050250UC
1 mCi/mL	1 mCi (37 MBq)	NET1050001MC
Packaged in ethanol:water (1:9) under nitrogen in a silanized vial.		
Shipped in dry ice. Store at -20 °C.		
CGP 42112A, [¹²⁵ I]-	5 µCi (185 kBq)	NEX324005UC
2200 Ci (81.4 TBq)/mmol	25 µCi (925 kBq)	NEX324025UC
Packaged lyophilized from phosphate-buffered saline (pH 7.2) containing glycine and BSA.		
Shipped ambient. Store at 2–8 °C.		
Fresh lot: Third Monday of even months.		
CGRP		
<i>See Calcitonin Gene-Related Peptide.</i>		
CGS 21680, [carboxyethyl- ³ H(N)]-	25 µCi (925 kBq)	NET1021025UC
30–60 Ci (1.11–2.22 TBq)/mmol	250 µCi (9.25 MBq)	NET1021250UC
1 mCi/mL	1 mCi (37 MBq)	NET1021001MC
Packaged in ethanol:water (70:30) under nitrogen in a silanized vial.		
Shipped in dry ice. Store at -20 °C.		
Charcoal traps	1 trap per box	NEX033T001EA
Shipped ambient. Store ambient.		
Chloramphenicol, [ring-3,5- ³ H]-	250 µCi (9.25 MBq)	NET928250UC
30–60 Ci (1.11–2.22 TBq)/mmol	1 mCi (37 MBq)	NET928001MC
1 mCi/mL		
Packaged in ethanol under nitrogen in a vial that protects contents from UV light.		
Shipped in dry ice. Store at -20 °C.		

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Ch—Ch

Product	Size	Product No.
Chloramphenicol, D-threo-, [dichloroacetyl-1,2- ¹⁴ C]- 40–60 mCi (1.48–2.22 GBq)/mmol 0.1 mCi/mL Packaged in ethanol under nitrogen in a vial protects contents from UV light. Shipped ambient. Store at -20 °C.	50 µCi (1.85 MBq) 250 µCi (9.25 MBq)	NEC408050UC NEC408250UC
Chloramphenicol, D-threo-, [dichloroacetyl-1,2- ¹⁴ C]- CAT assay grade (TLC Based Assay) 50–60 mCi (1.85–2.22 GBq)/mmol 0.05 mCi/mL Steri-packaged in 25 mM tris-HCl (pH 7.4) in a vial that protects contents from UV light. Not for human use. Shipped ambient. Store at 2–8 °C.	25 µCi (925 kBq) 50 µCi (1.85 MBq) 250 µCi (9.25 MBq)	NEC408A025UC NEC408A050UC NEC408A250UC
Cholecystokinin octapeptide, [¹²⁵ I]-, Bolton-Hunter labeled, ([¹²⁵ I]-CCK-8) 2200 Ci (81.4 TBq)/mmol Packaged in ethanol:acetonitrile:water (30:25:45) containing TFA and 2-mercaptoethanol. Shipped in dry ice. Store at -20 °C. Fresh lot: First Monday of each month.	10 µCi (370 kBq) 50 µCi (1.85 MBq)	NEX203010UC NEX203050UC
Cholesterol, [1,2- ³ H(N)]- 40–60 Ci (1.48–2.22 TBq)/mmol 1 mCi/mL Packaged in ethanol. Shipped in dry ice. Store at -20 °C.	250 µCi (9.25 MBq) 1 mCi (37 MBq) 5 mCi (185 MBq)	NET139250UC NET139001MC NET139005MC
Cholesterol, [4- ¹⁴ C]- 45–60 mCi (1.66–2.22 GBq)/mmol 0.04 mCi/mL Packaged in ethanol. Shipped ambient. Store at 2–8 °C.	10 µCi (370 kBq) 50 µCi (1.85 MBq) 250 µCi (9.25 MBq)	NEC018010UC NEC018050UC NEC018250UC
Cholesteryl hexadecyl ether, [cholesteryl-1,2- ³ H(N)]- 40–60 Ci (1.48–2.22 TBq)/mmol 1 mCi/mL Packaged in toluene under nitrogen in a sealed ampoule. Shipped in dry ice. Store at -20 °C.	250 µCi (9.25 MBq) 1 mCi (37 MBq)	NET859250UC NET859001MC
Cholesteryl oleate, [cholesteryl-1,2- ³ H(N)]- 30–60 Ci/mmol (1.11–2.22 TBq)/mmol 1 mCi/mL Packaged in toluene under nitrogen in a sealed ampoule. Shipped in dry ice. Store at -20 °C.	250 µCi (9.25 MBq) 1 mCi (37 MBq)	NET746L250UC NET746L001MC
Cholesteryl oleate, [oleate-1- ¹⁴ C]- 40–60 mCi (1.48–2.22 GBq)/mmol 0.1 mCi/mL Packaged in toluene under nitrogen in a sealed ampoule. Shipped in dry ice. Store at -20 °C.	50 µCi (1.85 MBq) 250 µCi (9.25 MBq)	NEC638050UC NEC638250UC
Cholesteryl palmityl ether <i>See Cholesteryl hexadecyl ether.</i>		
Choline chloride, [methyl- ³ H]- 60–90 Ci (2.22–3.33 TBq)/mmol 1 mCi/mL Packaged under ethanol in a silanized vial. Shipped in dry ice. Store at -20 °C.	250 µCi (9.25 MBq) 1 mCi (37 MBq) 5 mCi (185 MBq)	NET109250UC NET109001MC NET109005MC

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Product	Size	Product No.
Chorionic Gonadotropin, [¹²⁵ I]-, ([¹²⁵ I]-hCG), (human)	10 µCi (370 kBq)	NEX106010UC
>50 µCi (1.85 MBq)/µg	50 µCi (1.85 MBq)	NEX106050UC
Packaged in phosphate-buffered saline containing glycine, BSA and Trasylol®.		
Shipped in dry ice. Store at -20 °C.		
Fresh lot: Fourth Monday of each month.		
Chromium-51 microspheres, 15 µ	100 µCi (3.7 MBq)	NEM032B100UC
1–20 mCi (37–740 MBq)/g	250 µCi (9.25 MBq)	NEM032B250UC
Packaged in normal saline, 10% dextran or 20% dextran; with or without 0.01% Tween-80®.	500 µCi (18.5 MBq)	NEM032B500UC
Shipped ambient. Store at 2–8 °C.	1 mCi (37 MBq)	NEM032B001MC
Chromium-51 microspheres, 15 µ	100 µCi (3.7 MBq)	NEM032A100UC
20–90 mCi (0.74–3.33 GBq)/g	250 µCi (9.25 MBq)	NEM032A250UC
Packaged in normal saline, 10% dextran or 20% dextran; with or without 0.01% Tween-80®.	500 µCi (18.5 MBq)	NEM032A500UC
Shipped ambient. Store at 2–8 °C.	1 mCi (37 MBq)	NEM032A001MC
Chromium-51 radionuclide	1 mCi (37 MBq)	NEZ020001MC
>50 Ci (1.85 TBq)/g	2 mCi (74 MBq)	NEZ020002MC
Packaged as chromium chloride in 0.5 M HCl.	5 mCi (185 MBq)	NEZ020005MC
Shipped ambient. Store ambient.	10 mCi (370 MBq)	NEZ020010MC
Half life: 27.7 days		
Fresh lot: Every other week.		
Chromium-51 radionuclide	1 mCi (37 MBq)	NEZ147001MC
>50 Ci (1.85 TBq)/g	2 mCi (74 MBq)	NEZ147002MC
~10 mCi/mL	5 mCi (185 MBq)	NEZ147005MC
Packaged as an EDTA complex in 0.005 M EDTA (pH 7.0).	10 mCi (370 MBq)	NEZ147010MC
Shipped ambient. Store ambient.		
Half life: 27.7 days		
Fresh lot: Every month.		
Chromium-51 radionuclide	1 mCi (37 MBq)	NEZ030001MC
400–1200 Ci (14.8–44.4 TBq)/g	2 mCi (74 MBq)	NEZ030002MC
5 mCi/mL	5 mCi (185 MBq)	NEZ030005MC
Steri-packaged as sodium chromate in normal saline (pH 8–10). Not for human use.	10 mCi (370 MBq)	NEZ030010MC
Shipped ambient. Store ambient.		
Half life: 27.7 days		
Fresh lot: Friday of every other week.		
Chromium-51 radionuclide	1 mCi (37 MBq)	NEZ030S001MC
400–1200 Ci (14.8–44.4 TBq)/g	2 mCi (74 MBq)	NEZ030S002MC
1 mCi/mL	5 mCi (185 MBq)	NEZ030S005MC
Steri-packaged as sodium chromate in normal saline (pH 8–10). Not for human use.	10 mCi (370 MBq)	NEZ030S010MC
Shipped ambient. Store ambient.		
Half life: 27.7 days		
Fresh lot: Friday of every other week.		
-CIT		
See RTI-55.		
Citalopram, [N-methyl- ³ H]-	50 µCi (1.85 MBq)	NET1039050UC
70–87 Ci (2.59–3.22 TBq)/mmol	250 µCi (9.25 MBq)	NET1039250UC
1 mCi/mL		
Packaged in ethanol under nitrogen in a silanized vial.		
Shipped in dry ice. Store at -20 °C.		

Radiochemicals Product Listing

Ci—Co

Product	Size	Product No.
Citrulline, L-[ureido- ¹⁴ C]- 40–60 mCi (1.48–2.22 GBq)/mmol 0.1 mCi/mL Packaged in ethanol:water (1:1). Shipped ambient. Store at 2–8 °C.	50 µCi (1.85 MBq) 250 µCi (9.25 MBq)	NEC214050UC NEC214250UC
6-Ckine, [¹²⁵ I]-, Bolton-Hunter labeled, (CCL21), (human, recombinant) 60–176 µCi (2.2–6.5 MBq)/µg Packaged in 50 mM sodium acetate with 5.0% sucrose and 0.25% BSA. Shipped in dry ice. Store at -20 °C. Fresh upon request.	10 µCi (370 kBq) 25 µCi (925 kBq)	NEX387010UC NEX387025UC
Clonidine hydrochloride, [benzene ring- ³ H]- 50–80 Ci (1.85–2.96 TBq)/mmol 1 mCi/mL Packaged in ethanol:water (7:3) under nitrogen in a vial that protects contents from UV light. Shipped in dry ice. Store at -20 °C.	250 µCi (9.25 MBq) 1 mCi (37 MBq)	NET613250UC NET613001MC
CMP-N-Acetyl-Neuraminic acid <i>See Cytidine 5'-monophosphate, sialic acid.</i>		
CMP-sialic acid <i>See Cytidine 5'-monophosphate, sialic acid.</i>		
Cobalt-57 microspheres, 15 µ 1–20 mCi (37–740 MBq)/g Packaged in normal saline, 10% dextran or 20% dextran; with or without 0.01% Tween-80®. Shipped ambient. Store at 2–8 °C.	100 µCi (3.7 MBq) 250 µCi (9.25 MBq) 500 µCi (18.5 MBq) 1 mCi (37 MBq)	NEM012A100UC NEM012A250UC NEM012A500UC NEM012A001MC
Cocaine, levo-[benzoyl-3,4- ³ H(N)]- 20–50 Ci (0.74–1.85 TBq)/mmol 1 mCi/mL Packaged in ethanol under nitrogen in a vial that protects contents from UV light. Shipped in dry ice. Store at -20 °C.	100 µCi (3.7 MBq) 250 µCi (9.25 MBq)	NET510100UC NET510250UC
Coenzyme A <i>See specific fatty acid.</i>		
Colchicine, [ring C, methoxy- ³ H]- 60–87 Ci (2.22–3.22 TBq)/mmol 1 mCi/mL Packaged in ethanol under nitrogen in a vial that protects contents from UV light. Shipped ambient. Store at -20 °C.	250 µCi (9.25 MBq)	NET189250UC
Complement C3a, [¹²⁵ I]-, Bolton-Hunter labeled, (human) 2200 Ci (81.4 TBq)/mmol Packaged in phosphate-buffered saline (pH 6.0) containing sucrose, BSA and a stabilizer. Shipped in dry ice. Store at -20 °C. Fresh lot: First Monday of each month.	10 µCi (370 kBq) 50 µCi (1.85 MBq)	NEX356010UC NEX356050UC
Complement C5a, [¹²⁵ I]-, Bolton-Hunter labeled, (human, recombinant) 2200 Ci (81.4 TBq)/mmol Packaged in saline (pH 6.0) containing sucrose, BSA and a stabilizer. Shipped in dry ice. Store at -20 °C. Fresh lot: Third Monday of each month.	5 µCi (185 kBq) 10 µCi (370 kBq) 25 µCi (925 kBq)	NEX250005UC NEX250010UC NEX250025UC

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Product	Size	Product No.
<p>ω-Conotoxin GVIA (Tyr²²), [¹²⁵I]-</p> <p>2200 Ci (81.4 TBq)/mmol</p> <p>Packaged lyophilized from phosphate-buffered saline (pH 5.2) containing glycine and BSA.</p> <p>Shipped ambient. Store at 2–8 °C.</p> <p>Fresh lot: Second Monday of each month.</p>	<p>10 μCi (370 kBq)</p> <p>50 μCi (1.85 MBq)</p>	<p>NEX239010UC</p> <p>NEX239050UC</p>
<p>ω-Conotoxin MVIC, [¹²⁵I]-</p> <p>2200 Ci (81.4 TBq)/mmol</p> <p>Packaged lyophilized from phosphate-buffered saline (pH 5.2) containing glycine, BSA and a stabilizer.</p> <p>Shipped ambient. Store at 2–8 °C.</p> <p>Fresh lot: Fourth Monday of each month.</p>	<p>10 μCi (370 kBq)</p> <p>50 μCi (1.85 MBq)</p>	<p>NEX323010UC</p> <p>NEX323050UC</p>
<p>Cordycepin 5'-triphosphate</p> <p><i>See Deoxyadenosine 5'-triphosphate, tetrasodium salt.</i></p>		
<p>Corticosterone, [1,2,6,7-³H(N)]-</p> <p>70–100 Ci (2.59–3.7 TBq)/mmol</p> <p>1 mCi/mL</p> <p>Packaged in ethanol.</p> <p>Shipped in dry ice. Store at -20 °C.</p>	<p>250 μCi (9.25 MBq)</p> <p>1 mCi (37 MBq)</p>	<p>NET399250UC</p> <p>NET399001MC</p>
<p>Corticotropin Releasing Factor (Tyr⁰), [¹²⁵I]-, (ovine)</p> <p>2200 Ci (81.4 TBq)/mmol</p> <p>Packaged in water:acetonitrile (65:35) containing TFA, BSA and 2-mercaptoethanol.</p> <p>Shipped ambient. Store at 2–8 °C.</p> <p>Fresh lot: Second Monday of each month.</p>	<p>10 μCi (370 kBq)</p> <p>50 μCi (1.85 MBq)</p>	<p>NEX217010UC</p> <p>NEX217050UC</p>
<p>Corticotropin Releasing Factor (Tyr⁰), [¹²⁵I]-, (human, rat)</p> <p>2200 Ci (81.4 TBq)/mmol</p> <p>Packaged in water:acetonitrile (65:35) containing TFA, BSA and 2-mercaptoethanol.</p> <p>Shipped ambient. Store at 2–8 °C.</p> <p>Fresh lot: Second Monday of each month.</p>	<p>10 μCi (370 kBq)</p> <p>50 μCi (1.85 MBq)</p>	<p>NEX216010UC</p> <p>NEX216050UC</p>
<p>Cortisol</p> <p><i>See Hydrocortisone.</i></p>		
<p>CP 55940, [side chain-2,3,4-³H(N)]-</p> <p>100–180 Ci (3.7–6.66 TBq)/mmol</p> <p>1 mCi/mL</p> <p>Packaged in ethanol under nitrogen in a silanized vial.</p> <p>Shipped in dry ice. Store at -20 °C.</p>	<p>25 μCi (925 kBq)</p> <p>250 μCi (9.25 MBq)</p> <p>1 mCi (37 MBq)</p>	<p>NET1051025UC</p> <p>NET1051250UC</p> <p>NET1051001MC</p>
<p>CPX</p> <p><i>See Cyclopentyl-1,3-dipropylxanthine.</i></p>		
<p>CRF</p> <p><i>See Corticotropin Releasing Factor.</i></p>		
<p>5-CT</p> <p><i>See 5-Carboxamidotryptamine.</i></p>		
<p>CTACK, [¹²⁵I]-, (CCL27), (human, recombinant)</p> <p>75–214 μCi (2.78–7.92 MBq)/μg</p> <p>Packaged in 50 mM sodium acetate (pH 4.2), 5.0% sucrose and 0.25% BSA.</p> <p>Shipped in dry ice. Store at -20 °C.</p> <p>Fresh upon request.</p>	<p>10 μCi (370 kBq)</p> <p>25 μCi (925 kBq)</p>	<p>NEX391010UC</p> <p>NEX391025UC</p>
<p>CXCL16, [¹²⁵I]-, (human, recombinant)</p> <p>1600–3200 Ci (59.2–118 TBq)/mmol</p> <p>Packaged in 50 mM sodium acetate (pH 4.2) containing 50 mM N-acetylmethionine, 5% sucrose and 0.25% BSA.</p> <p>Shipped in dry ice. Store at -20 °C.</p> <p>Fresh lot: First Monday of each month.</p>	<p>10 μCi (370 kBq)</p> <p>25 μCi (925 kBq)</p>	<p>NEX398010UC</p> <p>NEX398025UC</p>

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Product	Size	Product No.
Cyclic AMP <i>See Adenosine 3',5'-cyclic phosphate.</i>		
Cyclic GMP <i>See Guanosine 3',5'-cyclic phosphate.</i>		
(-)-Cyanopindolol, [¹²⁵ I]iodo- 2200 Ci (81.4 TBq)/mmol Packaged in 1-propanol:water:phenol (50:50:1.2). Shipped in dry ice. Store at 2–8 °C. Fresh lot: First Monday of each month.	100 µCi (3.7 MBq) 500 µCi (18.5 MBq)	NEX189100UC NEX189500UC
(±)-Cyanopindolol, [¹²⁵ I]iodo- 2200 Ci (81.4 TBq)/mmol Packaged in 1-propanol:water:phenol (50:50:1.2). Shipped in dry ice. Store at 2–8 °C. Fresh lot: First Monday of each month.	100 µCi (3.7 MBq) 500 µCi (18.5 MBq)	NEX174100UC NEX174500UC
Cyclopentyl-1,3-dipropylxanthine, 8-[dipropyl-2,3- ³ H(N)]- 80–120 Ci (2.96–4.44 TBq)/mmol 1 mCi/mL Packaged in ethanol under nitrogen in a silanized vial. Shipped in dry ice. Store at -20 °C.	25 µCi (925 kBq) 250 µCi (9.25 MBq) 1 mCi (37 MBq)	NET974025UC NET974250UC NET974001MC
Cysteine, L-[³⁵ S]- >1000 Ci (37 TBq)/mmol 11 mCi/mL Packaged in 10 mM DTT. Shipped in dry ice. Store at -20°C or below. Fresh lot: Every third Monday.	1 mCi (37 MBq) 5 mCi (185 MBq)	NEG022T001MC NEG022T005MC
Cystine, L-[¹⁴ C(U)]- >250 mCi (9.25 GBq)/mmol 0.02 mCi/mL Packaged in ethanol:water (2:98). Shipped on blue ice. Store at -20 °C.	10 µCi (370 kBq) 50 µCi (1.85 MBq)	NEC465010UC NEC465050UC
Cytidine 3',5'-bis(phosphate), [³² P]- 3000 Ci (111 TBq)/mmol 10 mCi/mL Packaged in 10 mM tricine buffer (pH 7.6). Lead-free packaging. Shipped in dry ice. Store at -20 °C or below. Fresh lot: Every Monday and Thursday.	250 µCi (9.25 MBq) 500 µCi (18.5 MBq)	BLU019A250UC BLU019A500UC
Cytidine 3',5'-bis(phosphate), [³² P]- 3000 Ci (111 TBq)/mmol 10 mCi/mL Packaged in 10 mM tricine buffer (pH 7.6). Shipped in lead. Shipped in dry ice. Store at -20 °C or below. Fresh lot: Every Monday and Thursday.	250 µCi (9.25 MBq) 500 µCi (18.5 MBq)	NEG019A250UC NEG019A500UC
Cytidine 5'-monophosphate, sialic acid, [sialic-4,5,6,7,8,9- ¹⁴ C]- >150 mCi (5.55 GBq)/mmol 0.02 mCi/mL Packaged in ethanol:water (7:3). Shipped in dry ice. Store at -20 °C.	10 µCi (370 kBq) 50 µCi (1.85 MBq)	NEC619010UC NEC619050UC

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Product	Size	Product No.
Cytidine 5'-monophosphate, sialic acid, [sialic-9- ³ H]-	50 µCi (1.85 MBq)	NET435050UC
15–35 Ci (0.555–1.29 TBq)/mmol	250 µCi (9.25 MBq)	NET435250UC
0.1 mCi/mL		
Packaged in ethanol:water (7:3).		
Shipped in dry ice. Store at -20 °C.		
Cytidine 5'-(α-thio) triphosphate	2 µmol	NLP027002UM
Non-labeled material.	5 µmol	NLP027005UM
Packaged as a stabilized aqueous solution.	25 µmol	NLP027025UM
Shipped in dry ice. Store at -20 °C or below.	100 µmol	NLP027100UM
Fresh lot: First Tuesday of each month.		
Cytidine 5'-(α-thio) triphosphate, [³⁵ S]-	1 mCi (37 MBq)	NEG064C001MC
1250 Ci (46.2 TBq)/mmol		
70 mCi/mL		
Packaged as a stabilized aqueous solution.		
Shipped in dry ice. Store at -20 °C or below.		
Fresh lot: First Tuesday of each month.		
Cytidine 5'-(α-thio) triphosphate, [³⁵ S]-	250 µCi (9.25 MBq)	NEG064H250UC
1250 Ci (46.2 TBq)/mmol	1 mCi (37 MBq)	NEG064H001MC
12.5 mCi/mL		
Packaged as a stabilized aqueous solution.		
Shipped in dry ice. Store at -20 °C or below.		
Fresh lot: First Tuesday of each month.		
Cytidine 5'-triphosphate, tetrasodium salt, [5- ³ H]-	250 µCi (9.25 MBq)	NET309250UC
>20 Ci (740 GBq)/mmol	1 mCi (37 MBq)	NET309001MC
1 mCi/mL		
Packaged in ethanol:water (1:1).		
Shipped in dry ice. Store at -20 °C.		
Cytidine 5'-triphosphate, [α- ³² P]-, (EasyTides)	250 µCi (9.25 MBq)	NEG508X250UC
800 Ci (29.6 TBq)/mmol	500 µCi (18.5 MBq)	NEG508X500UC
10 mCi/mL	1 mCi (37 MBq)	NEG508X001MC
Packaged in 50 mM tricine buffer (pH 7.6) with green dye. Shipped in lead.		
Shipped ambient. Store at 2–8 °C or below.		
Fresh lot: Every Monday and Thursday.		
Cytidine 5'-triphosphate, [α- ³² P]-	250 µCi (9.25 MBq)	BLU008X250UC
800 Ci (29.6 TBq)/mmol	500 µCi (18.5 MBq)	BLU008X500UC
10 mCi/mL	1 mCi (37 MBq)	BLU008X001MC
Packaged in 50 mM tricine buffer (pH 7.6). Lead-free packaging.		
Shipped in dry ice. Store at -20 °C or below.		
Fresh lot: Every Monday and Thursday.		
Cytidine 5'-triphosphate, [α- ³² P]-	250 µCi (9.25 MBq)	NEG008X250UC
800 Ci (29.6 TBq)/mmol	500 µCi (18.5 MBq)	NEG008X500UC
10 mCi/mL	1 mCi (37 MBq)	NEG008X001MC
Packaged in 50 mM tricine buffer (pH 7.6). Shipped in lead.		
Shipped in dry ice. Store at -20 °C or below.		
Fresh lot: Every Monday and Thursday.		
Cytidine 5'-triphosphate, [α- ³² P]-, (EasyTides)	250 µCi (9.25 MBq)	BLU508H250UC
3000 Ci (111 TBq)/mmol	500 µCi (18.5 MBq)	BLU508H500UC
10 mCi/mL	1 mCi (37 MBq)	BLU508H001MC
Packaged in 50 mM tricine buffer (pH 7.6) with green dye. Lead-free packaging.		
Shipped ambient. Store at 2–8 °C or below.		
Fresh lot: Every Monday and Thursday.		

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Product	Size	Product No.
Cytidine 5'-triphosphate, [α - ^{32}P]-, (EasyTides)	250 μCi (9.25 MBq)	NEG508H250UC
3000 Ci (111 TBq)/mmol	500 μCi (18.5 MBq)	NEG508H500UC
10 mCi/mL	1 mCi (37 MBq)	NEG508H001MC
Packaged in 50 mM tricine buffer (pH 7.6) with green dye. Shipped in lead.		
Shipped ambient. Store at 2–8 °C or below.		
Fresh lot: Every Monday and Thursday.		
Cytidine 5'-triphosphate, [α - ^{32}P]-	250 μCi (9.25 MBq)	BLU008H250UC
3000 Ci (111 TBq)/mmol	500 μCi (18.5 MBq)	BLU008H500UC
10 mCi/mL	1 mCi (37 MBq)	BLU008H001MC
Packaged in 50 mM tricine buffer (pH 7.6). Lead-free packaging.		
Shipped in dry ice. Store at -20 °C or below.		
Fresh lot: Every Monday and Thursday.		
Cytidine 5'-triphosphate, [α - ^{33}P]-, (EasyTides)	100 μCi (3.7 MBq)	NEG608H100UC
3000 Ci (111 TBq)/mmol	250 μCi (9.25 MBq)	NEG608H250UC
10 mCi/mL	1 mCi (37 MBq)	NEG608H001MC
Packaged in 50 mM tricine buffer (pH 7.6) with amber gold dye.		
Shipped ambient. Store at 2–8 °C or below.		
Fresh lot: Every Friday.		
Cytidine HCl, [$3,5\text{-}^3\text{H}(\text{N})$]-	25 μCi (925 kBq)	NET1054025UC
15–40 Ci (0.555–1.48 TBq)/mmol	250 μCi (9.25 MBq)	NET1054250UC
1 mCi/mL		
Packaged in 90% ethanol under argon in a silanized vial.		
Shipped in dry ice. Store at -20 °C.		
DAMGO, [tyrosyl- $3,5\text{-}^3\text{H}(\text{N})$]-	25 μCi (925 kBq)	NET902025UC
30–60 Ci (1.11–2.22 TBq)/mmol	250 μCi (9.25 MBq)	NET902250UC
1 mCi/mL	1 mCi (37 MBq)	NET902001MC
Packaged in 90% ethanol under argon in a silanized vial.		
Shipped in dry ice. Store at -20 °C.		
4-DAMP, [N-methyl- ^3H]-	250 μCi (9.25 MBq)	NET1040250UC
60–87 Ci (2.22–3.22 TBq)/mmol		
1 mCi/mL		
Packaged in ethanol under nitrogen in a silanized vial.		
Shipped in dry ice. Store at -20 °C.		
Daunomycin, [$^3\text{H}(\text{G})$]-	250 μCi (9.25 MBq)	NET582250UC
1–20 Ci (37–740 GBq)/mmol		
1 mCi/mL		
Packaged in ethanol in a vial that protects contents from UV light.		
Shipped in dry ice. Store at -20 °C.		
Dehydroepiandrosterone, [$1,2,6,7\text{-}^3\text{H}(\text{N})$]-	250 μCi (9.25 MBq)	NET814250UC
60–100 Ci (2.22–3.7 TBq)/mmol	1 mCi (37 MBq)	NET814001MC
1 mCi/mL		
Packaged in ethanol.		
Shipped in dry ice. Store at -20 °C.		
Dehydroepiandrosterone sulfate, sodium salt, [$1,2,6,7\text{-}^3\text{H}(\text{N})$]-	250 μCi (9.25 MBq)	NET860250UC
60–100 Ci (2.22–3.7 TBq)/mmol	1 mCi (37 MBq)	NET860001MC
1 mCi/mL		
Packaged in ethanol.		
Shipped in dry ice. Store at -20 °C.		

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Product	Size	Product No.
Deltorpin II (2-D-Ala), [tyrosyl-3,5- ³ H]-	50 µCi (1.85 MBq)	NET1087050UC
30–60 Ci (1.11–2.22 TBq)/mmol	250 µCi (9.25 MBq)	NET1087250UC
1 mCi/mL		
Packaged in 0.1 N acetic acid:ethanol (8:2).		
Shipped in dry ice. Store at 2–8 °C.		
Deoxyadenosine 5'-(α-thio) triphosphate, [³⁵ S]-	250 µCi (9.25 MBq)	NEG034S250UC
500 Ci (18.5 TBq)/mmol	1 mCi (37 MBq)	NEG034S001MC
10 mCi/mL		
Packaged as a stabilized aqueous solution.		
Shipped in dry ice. Store at -20 °C or below.		
Fresh lot: First Tuesday of each month.		
Deoxyadenosine 5'-(α-thio) triphosphate, [³⁵ S]-, (EasyTides)	250 µCi (9.25 MBq)	NEG734H250UC
1250 Ci (46.2 TBq)/mmol	1 mCi (37 MBq)	NEG734H001MC
12.5 mCi/mL		
Packaged as a stabilized aqueous solution with a blue dye.		
Shipped ambient. Store at 2–8 °C or below.		
Fresh lot: First Tuesday of each month.		
Deoxyadenosine 5'-(α-thio) triphosphate, [³⁵ S]-	250 µCi (9.25 MBq)	NEG034H250UC
1250 Ci (46.2 TBq)/mmol	1 mCi (37 MBq)	NEG034H001MC
12.5 mCi/mL		
Packaged as a stabilized aqueous solution.		
Shipped in dry ice. Store at -20 °C or below.		
Fresh lot: First Tuesday of each month.		
Deoxyadenosine 5'-triphosphate, tetrasodium salt, [8- ³ H(N)]-	250 µCi (9.25 MBq)	NET268250UC
10–25 Ci (370–925 GBq)/mmol	1 mCi (37 MBq)	NET268001MC
1 mCi/mL		
Packaged in ethanol:water (1:1).		
Shipped in dry ice. Store at -20 °C.		
Deoxyadenosine 5'-triphosphate, [α- ³² P]-, (EasyTides)	250 µCi (9.25 MBq)	BLU512A250UC
800 Ci (29.6 TBq)/mmol		
10 mCi/mL		
Packaged in 50 mM tricine buffer (pH 7.6) with green dye. Lead-free packaging.		
Shipped ambient. Store at 2–8 °C or below.		
Fresh lot: Every Monday and Thursday.		
Deoxyadenosine 5'-triphosphate, [α- ³² P]-, (EasyTides)	250 µCi (9.25 MBq)	NEG512A250UC
800 Ci (29.6 TBq)/mmol		
10 mCi/mL		
Packaged in 50 mM tricine buffer (pH 7.6) with green dye. Shipped in lead.		
Shipped ambient. Store at 2–8 °C or below.		
Fresh lot: Every Monday and Thursday.		
Deoxyadenosine 5'-triphosphate, [α- ³² P]-, (EasyTides)	100 µCi (3.7 MBq)	BLU512H100UC
3000 Ci (111 TBq)/mmol	250 µCi (9.25 MBq)	BLU512H250UC
10 mCi/mL	500 µCi (18.5 MBq)	BLU512H500UC
Packaged in 50 mM tricine buffer (pH 7.6) with green dye. Lead-free packaging.	1 mCi (37 MBq)	BLU512H001MC
Shipped ambient. Store at 2–8 °C or below.		
Fresh lot: Every Monday and Thursday.		

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Product	Size	Product No.
Deoxyadenosine 5'-triphosphate, [α - 32 P]-, (EasyTides)	100 μ Ci (3.7 MBq)	NEG512H100UC
3000 Ci (111 TBq)/mmol	250 μ Ci (9.25 MBq)	NEG512H250UC
10 mCi/mL	500 μ Ci (18.5 MBq)	NEG512H500UC
Packaged in 50 mM tricine buffer (pH 7.6) with green dye. Shipped in lead.	1 mCi (37 MBq)	NEG512H001MC
Shipped ambient. Store at 2–8 °C or below.		
Fresh lot: Every Monday and Thursday.		
Deoxyadenosine 5'-triphosphate, [α - 32 P]-	100 μ Ci (3.7 MBq)	BLU012H100UC
3000 Ci (111 TBq)/mmol	250 μ Ci (9.25 MBq)	BLU012H250UC
10 mCi/mL	500 μ Ci (18.5 MBq)	BLU012H500UC
Packaged in 10 mM tricine buffer (pH 7.6). Lead-free packaging.	1 mCi (37 MBq)	BLU012H001MC
Shipped in dry ice. Store at -20 °C or below.		
Fresh lot: Every Monday and Thursday.		
Deoxyadenosine 5'-triphosphate, [α - 32 P]-	100 μ Ci (3.7 MBq)	NEG012H100UC
3000 Ci (111 TBq)/mmol	250 μ Ci (9.25 MBq)	NEG012H250UC
10 mCi/mL	500 μ Ci (18.5 MBq)	NEG012H500UC
Packaged in 10 mM tricine buffer (pH 7.6). Shipped in lead.	1 mCi (37 MBq)	NEG012H001MC
Shipped in dry ice. Store at -20 °C or below.		
Fresh lot: Every Monday and Thursday.		
Deoxyadenosine 5'-triphosphate, (cordycepin 5'-triphosphate), 3'-[α - 32 P]-	250 μ Ci (9.25 MBq)	BLU026250UC
5000 Ci (185 TBq)/mmol	500 μ Ci (18.5 MBq)	BLU026500UC
10 mCi/mL		
Packaged in 10 mM tricine buffer (pH 7.6). Lead-free packaging.		
Shipped in dry ice. Store at -20 °C or below.		
Fresh lot: Every Monday and Thursday.		
Deoxyadenosine 5'-triphosphate, (cordycepin 5'-triphosphate), 3'-[α - 32 P]-	250 μ Ci (9.25 MBq)	NEG026250UC
5000 Ci (185 TBq)/mmol	500 μ Ci (18.5 MBq)	NEG026500UC
10 mCi/mL	1 mCi (37 MBq)	NEG026001MC
Packaged in 10 mM tricine buffer (pH 7.6). Shipped in lead.		
Shipped in dry ice. Store at -20 °C or below.		
Fresh lot: Every Monday and Thursday.		
Deoxyadenosine 5'-triphosphate, [α - 32 P]-, (EasyTides)	250 μ Ci (9.25 MBq)	BLU512Z250UC
6000 Ci (222 TBq)/mmol	500 μ Ci (18.5 MBq)	BLU512Z500UC
20 mCi/mL	1 mCi (37 MBq)	BLU512Z001MC
Packaged in 50 mM tricine buffer (pH 7.6) with green dye. Lead-free packaging.		
Shipped ambient. Store at 2–8 °C or below.		
Fresh lot: Every Monday and Thursday.		
Deoxyadenosine 5'-triphosphate, [α - 32 P]-, (EasyTides)	500 μ Ci (18.5 MBq)	NEG512Z500UC
6000 Ci (222 TBq)/mmol	1 mCi (37 MBq)	NEG512Z001MC
20 mCi/mL		
Packaged in 50 mM tricine buffer (pH 7.6) with green dye. Shipped in lead.		
Shipped ambient. Store at 2–8 °C or below.		
Fresh lot: Every Monday and Thursday.		
Deoxyadenosine 5'-triphosphate, [α - 32 P]-	250 μ Ci (9.25 MBq)	BLU012Z250UC
6000 Ci (222 TBq)/mmol	500 μ Ci (18.5 MBq)	BLU012Z500UC
20 mCi/mL	1 mCi (37 MBq)	BLU012Z001MC
Packaged in 10 mM tricine buffer (pH 7.6). Lead-free packaging.		
Shipped in dry ice. Store at -20 °C or below.		
Fresh lot: Every Monday and Thursday.		

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Product	Size	Product No.
Deoxyadenosine 5'-triphosphate, [α - 32 P]-	250 μ Ci (9.25 MBq)	NEG012Z250UC
6000 Ci (222 TBq)/mmol	500 μ Ci (18.5 MBq)	NEG012Z500UC
20 mCi/mL	1 mCi (37 MBq)	NEG012Z001MC
Packaged in 10 mM tricine buffer (pH 7.6). Shipped in lead.		
Shipped in dry ice. Store at -20 °C or below.		
Fresh lot: Every Monday and Thursday.		
Deoxyadenosine 5'-triphosphate, [α - 33 P]-, (EasyTides)	100 μ Ci (3.7 MBq)	NEG612H100UC
3000 Ci (111 TBq)/mmol	250 μ Ci (9.25 MBq)	NEG612H250UC
10 mCi/mL	1 mCi (37 MBq)	NEG612H001MC
Packaged in 50 mM tricine buffer (pH 7.6) with amber gold dye.		
Shipped ambient. Store at 2–8 °C or below.		
Fresh lot: Every Friday.		
Deoxyadenosine 5'-triphosphate, [α - 33 P]-	100 μ Ci (3.7 MBq)	NEG312H100UC
3000 Ci (111 TBq)/mmol	250 μ Ci (9.25 MBq)	NEG312H250UC
10 mCi/mL	1 mCi (37 MBq)	NEG312H001MC
Packaged in 10 mM tricine buffer (pH 7.6).		
Shipped in dry ice. Store at -20 °C or below.		
Fresh lot: Every Friday.		
Deoxycytidine 5'-triphosphate, tetrasodium salt, [5,5'- 3 H]-	250 μ Ci (9.25 MBq)	NET601A250UC
40–70 Ci (1.48–2.59 TBq)/mmol	1 mCi (37 MBq)	NET601A001MC
2.5 mCi/mL		
Packaged in 10 mM tricine buffer (pH 7.6).		
Shipped in dry ice. Store at -80 °C.		
2'-Deoxycytidine-5'-triphosphate, tetraammonium salt, 5-[125 I]iodo-	100 μ Ci (3.7 MBq)	NEX074100UC
2200 Ci (81.4 TBq)/mmol	1 mCi (37 MBq)	NEX074001MC
Packaged in methanol:water (3:1).		
Shipped in dry ice. Store at -80 °C.		
Fresh lot: Third Monday of each month.		
Deoxycytidine 5'-triphosphate, [α - 32 P]-, (EasyTides)	250 μ Ci (9.25 MBq)	BLU513A250UC
800 Ci (29.6 TBq)/mmol	500 μ Ci (18.5 MBq)	BLU513A500UC
10 mCi/mL	1 mCi (37 MBq)	BLU513A001MC
Packaged in 50 mM tricine buffer (pH 7.6) with green dye. Lead-free packaging.		
Shipped ambient. Store at 2–8 °C or below.		
Fresh lot: Every Monday and Thursday.		
Deoxycytidine 5'-triphosphate, [α - 32 P]-, (EasyTides)	250 μ Ci (9.25 MBq)	NEG513A250UC
800 Ci (29.6 TBq)/mmol	500 μ Ci (18.5 MBq)	NEG513A500UC
10 mCi/mL	1 mCi (37 MBq)	NEG513A001MC
Packaged in 50 mM tricine buffer (pH 7.6) with green dye. Shipped in lead.		
Shipped ambient. Store at 2–8 °C or below.		
Fresh lot: Every Monday and Thursday.		
Deoxycytidine 5'-triphosphate, [α - 32 P]-	250 μ Ci (9.25 MBq)	BLU013A250UC
800 Ci (29.6 TBq)/mmol	500 μ Ci (18.5 MBq)	BLU013A500UC
10 mCi/mL	1 mCi (37 MBq)	BLU013A001MC
Packaged in 10 mM tricine buffer (pH 7.6). Lead-free packaging.		
Shipped in dry ice. Store at -20 °C or below.		
Fresh lot: Every Monday and Thursday.		

Radiochemicals Product Listing

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Product	Size	Product No.
Deoxycytidine 5'-triphosphate, [α - 32 P]-, (EasyTides)	100 μ Ci (3.7 MBq)	BLU513H100UC
3000 Ci (111 TBq)/mmol	250 μ Ci (9.25 MBq)	BLU513H250UC
10 mCi/mL	500 mCi (18.5 MBq)	BLU513H500UC
Packaged in 50 mM tricine buffer (pH 7.6) with green dye. Lead-free packaging.	1 mCi (37 MBq)	BLU513H001MC
Shipped ambient. Store at 2–8 °C or below.		
Fresh lot: Every Monday and Thursday.		
Deoxycytidine 5'-triphosphate, [α - 32 P]-, (EasyTides)	100 μ Ci (3.7 MBq)	NEG513H100UC
3000 Ci (111 TBq)/mmol	250 μ Ci (9.25 MBq)	NEG513H250UC
10 mCi/mL	500 μ Ci (18.5 MBq)	NEG513H500UC
Packaged in 50 mM tricine buffer (pH 7.6) with green dye. Shipped in lead.	1 mCi (37 MBq)	NEG513H001MC
Shipped ambient. Store at 2–8 °C or below.		
Fresh lot: Every Monday and Thursday.		
Deoxycytidine 5'-triphosphate, [α - 32 P]-	100 μ Ci (3.7 MBq)	BLU013H100UC
3000 Ci (111 TBq)/mmol	250 μ Ci (9.25 MBq)	BLU013H250UC
10 mCi/mL	500 μ Ci (18.5 MBq)	BLU013H500UC
Packaged in 10 mM tricine buffer (pH 7.6). Lead-free packaging.	1 mCi (37 MBq)	BLU013H001MC
Shipped in dry ice. Store at -20 °C or below.		
Fresh lot: Every Monday and Thursday.		
Deoxycytidine 5'-triphosphate, [α - 32 P]-	100 μ Ci (3.7 MBq)	NEG013H100UC
3000 Ci (111 TBq)/mmol	250 μ Ci (9.25 MBq)	NEG013H250UC
10 mCi/mL	500 μ Ci (18.5 MBq)	NEG013H500UC
Packaged in 10 mM tricine buffer (pH 7.6). Shipped in lead.	1 mCi (37 MBq)	NEG013H001MC
Shipped in dry ice. Store at -20 °C or below.		
Fresh lot: Every Monday and Thursday.		
Deoxycytidine 5'-triphosphate, [α - 32 P]-, (EasyTides)	250 μ Ci (9.25 MBq)	BLU513Z250UC
6000 Ci (222 TBq)/mmol	500 μ Ci (18.5 MBq)	BLU513Z500UC
20 mCi/mL	1 mCi (37 MBq)	BLU513Z001MC
Packaged in 50 mM tricine buffer (pH 7.6) with green dye. Lead-free packaging.		
Shipped ambient. Store at 2–8 °C or below.		
Fresh lot: Every Monday and Thursday.		
Deoxycytidine 5'-triphosphate, [α - 32 P]-, (EasyTides)	250 μ Ci (9.25 MBq)	NEG513Z250UC
6000 Ci (222 TBq)/mmol	500 μ Ci (18.5 MBq)	NEG513Z500UC
20 mCi/mL	1 mCi (37 MBq)	NEG513Z001MC
Packaged in 50 mM tricine buffer (pH 7.6) with green dye. Shipped in lead.		
Shipped ambient. Store at 2–8 °C or below.		
Fresh lot: Every Monday and Thursday.		
Deoxycytidine 5'-triphosphate, [α - 32 P]-	250 μ Ci (9.25 MBq)	BLU013Z250UC
6000 Ci (222 TBq)/mmol	500 μ Ci (18.5 MBq)	BLU013Z500UC
20 mCi/mL	1 mCi (37 MBq)	BLU013Z001MC
Packaged in 10 mM tricine buffer (pH 7.6). Lead-free packaging.		
Shipped in dry ice. Store at -20 °C or below.		
Fresh lot: Every Monday and Thursday.		
Deoxycytidine 5'-triphosphate, [α - 32 P]-	250 μ Ci (9.25 MBq)	NEG013Z250UC
6000 Ci (222 TBq)/mmol	500 μ Ci (18.5 MBq)	NEG013Z500UC
20 mCi/mL	1 mCi (37 MBq)	NEG013Z001MC
Packaged in 10 mM tricine buffer (pH 7.6). Shipped in lead.		
Shipped in dry ice. Store at -20 °C or below.		
Fresh lot: Every Monday and Thursday.		

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Product	Size	Product No.
Deoxycytidine 5'-triphosphate, [α - ^{33}P]-, (EasyTides)	100 μCi (3.7 MBq)	NEG613H100UC
3000 Ci (111 TBq)/mmol	250 μCi (9.25 MBq)	NEG613H250UC
10 mCi/mL	1 mCi (37 MBq)	NEG613H001MC
Packaged in 50 mM tricine buffer (pH 7.6) with amber gold dye.		
Shipped ambient. Store at 2–8 °C or below.		
Fresh lot: Every Friday.		
Deoxycytidine 5'-triphosphate, [α - ^{33}P]-	100 μCi (3.7 MBq)	NEG313H100UC
3000 Ci (111 TBq)/mmol	250 μCi (9.25 MBq)	NEG313H250UC
10 mCi/mL	1 mCi (37 MBq)	NEG313H001MC
Packaged in 10 mM tricine buffer (pH 7.6).		
Shipped in dry ice. Store at -20 °C or below.		
Fresh lot: Every Friday.		
Deoxy-D-glucose, 2-[1- ^{14}C]-	50 μCi (1.85 MBq)	NEC495050UC
45–60 mCi (1.66–2.22 GBq)/mmol	250 μCi (9.25 MBq)	NEC495250UC
0.1 mCi/mL	1 mCi (37 MBq)	NEC495001MC
Packaged in ethanol:water (9:1).		
Shipped ambient. Store at -20 °C.		
Deoxy-D-glucose, 2-[1- ^{14}C]-	50 μCi (1.85 MBq)	NEC495A050UC
45–60 mCi (1.66–2.22 GBq)/mmol	250 μCi (9.25 MBq)	NEC495A250UC
0.1 mCi/mL	1 mCi (37 MBq)	NEC495A001MC
Steri-packaged in an aqueous solution. Not for human use.		
Shipped ambient. Store at 2–8 °C.		
Deoxy-D-glucose, 2-[^{14}C (U)]-	50 μCi (1.85 MBq)	NEC720A050UC
250–350 mCi (9.25–13 GBq)/mmol	250 μCi (9.25 MBq)	NEC720A250UC
0.1 mCi/mL		
Steri-packaged in an aqueous solution. Not for human use.		
Shipped ambient. Store at 2–8 °C.		
Deoxy-D-glucose, 2-[^3H (G)]-	250 μCi (9.25 MBq)	NET328250UC
5–10 Ci (185–370 GBq)/mmol	1 mCi (37 MBq)	NET328001MC
1 mCi/mL		
Packaged in ethanol:water (9:1).		
Shipped ambient. Store at -20 °C.		
Deoxy-D-glucose, 2-[^3H (G)]-	250 μCi (9.25 MBq)	NET328A250UC
5–10 Ci (185–370 GBq)/mmol	1 mCi (37 MBq)	NET328A001MC
1 mCi/mL		
Steri-packaged in an aqueous solution. Not for human use.		
Shipped ambient. Store at 2–8 °C.		
Deoxy-D-glucose, 2-[1,2- ^3H (N)]-	250 μCi (9.25 MBq)	NET549250UC
25–50 Ci (0.925–1.85 TBq)/mmol	1 mCi (37 MBq)	NET549001MC
1 mCi/mL	5 mCi (185 MBq)	NET549005MC
Packaged in ethanol:water (9:1).		
Shipped ambient. Store at -20 °C.		
Deoxy-D-glucose, 2-[1,2- ^3H (N)]-	250 μCi (9.25 MBq)	NET549A250UC
25–50 Ci (0.925–1.85 TBq)/mmol	1 mCi (37 MBq)	NET549A001MC
1 mCi/mL	5 mCi (185 MBq)	NET549A005MC
Steri-packaged in an aqueous solution. Not for human use.		
Shipped ambient. Store at 2–8 °C.		

Radiochemicals Product Listing

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Product	Size	Product No.
Deoxyguanosine 5'-triphosphate, [α - 32 P]-, (EasyTides)	250 μ Ci (9.25 MBq)	BLU514H250UC
3000 Ci (111 TBq)/mmol	500 μ Ci (18.5 MBq)	BLU514H500UC
10 mCi/mL		
Packaged in 50 mM tricine buffer (pH 7.6) with green dye. Lead-free packaging.		
Shipped ambient. Store at 2–8 °C or below.		
Fresh lot: Every Monday and Thursday.		
Deoxyguanosine 5'-triphosphate, [α - 32 P]-, (EasyTides)	250 μ Ci (9.25 MBq)	NEG514H250UC
3000 Ci (111 TBq)/mmol	500 μ Ci (18.5 MBq)	NEG514H500UC
10 mCi/mL		
Packaged in 50 mM tricine buffer (pH 7.6) with green dye. Shipped in lead.		
Shipped ambient. Store at 2–8 °C or below.		
Fresh lot: Every Monday and Thursday.		
Deoxyguanosine 5'-triphosphate, [α - 32 P]-, (EasyTides)	500 μ Ci (18.5 MBq)	BLU514Z500UC
6000 Ci (222 TBq)/mmol		
20 mCi/mL		
Packaged in 50 mM tricine buffer (pH 7.6) with green dye. Lead-free packaging.		
Shipped ambient. Store at 2–8 °C or below.		
Fresh lot: Every Monday and Thursday.		
Deoxyguanosine 5'-triphosphate, [α - 32 P]-, (EasyTides)	500 μ Ci (18.5 MBq)	NEG514Z500UC
6000 Ci (222 TBq)/mmol	1 mCi (37 MBq)	NEG514Z001MC
20 mCi/mL		
Packaged in 50 mM tricine buffer (pH 7.6) with green dye. Shipped in lead.		
Shipped ambient. Store at 2–8 °C or below.		
Fresh lot: Every Monday and Thursday.		
Deoxyguanosine 5'-triphosphate, [α - 32 P]-	500 μ Ci (18.5 MBq)	BLU014Z500UC
6000 Ci (222 TBq)/mmol		
20 mCi/mL		
Packaged in 10 mM tricine buffer (pH 7.6). Lead-free packaging.		
Shipped in dry ice. Store at -20 °C or below.		
Fresh lot: Every Monday and Thursday.		
Deoxyguanosine 5'-triphosphate, [α - 32 P]-	500 μ Ci (18.5 MBq)	NEG014Z500UC
6000 Ci (222 TBq)/mmol	1 mCi (37 MBq)	NEG014Z001MC
20 mCi/mL		
Packaged in 10 mM tricine buffer (pH 7.6). Shipped in lead.		
Shipped in dry ice. Store at -20 °C or below.		
Fresh lot: Every Monday and Thursday.		
Deoxyguanosine 5'-triphosphate, [α - 33 P]-, (EasyTides)	250 μ Ci (9.25 MBq)	NEG614H250UC
3000 Ci (111 TBq)/mmol	1 mCi (37 MBq)	NEG614H001MC
10 mCi/mL		
Packaged in 50 mM tricine (pH 7.6) with amber gold dye.		
Shipped ambient. Store at 2–8 °C or below.		
Fresh lot: Every Friday.		
Deoxythymidine 5'-triphosphate		
See <i>Thymidine 5'-triphosphate</i> .		
Desmethylimipramine hydrochloride, [benzene ring, 10,11- 3 H]-, (Desipramine)	250 μ Ci (9.25 MBq)	NET593250UC
50–80 Ci (1.85–2.96 TBq)/mmol		
1 mCi/mL		
Packaged in ethanol under nitrogen in a vial that protects contents from UV light.		
Shipped in dry ice. Store at -20 °C.		
Desipramine		
See <i>Desmethylimipramine hydrochloride</i> .		

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Product	Size	Product No.
Dexamethasone, [6,7- ³ H(N)]- 35–50 Ci (1.29–1.85 TBq)/mmol 1 mCi/mL Packaged in ethanol. Shipped in dry ice. Store at -20 °C.	250 µCi (9.25 MBq) 1 mCi (37 MBq)	NET467250UC NET467001MC
Diazepam, [methyl- ³ H]-, (VALIUM®)* 70–87 Ci (2.59–3.22 TBq)/mmol 1 mCi/mL Packaged in ethanol. Shipped in dry ice. Store at 2–8 °C. <i>(*Registered trademark of Hoffman-LaRoche)</i>	250 µCi (9.25 MBq)	NET564250UC
Digoxin, [³ H(G)]- 15–40 Ci (0.555–1.48 TBq)/mmol 1 mCi/mL Packaged in ethanol. Shipped in dry ice. Store at -20 °C.	250 µCi (9.25 MBq)	NET222250UC
Dihydroalprenolol hydrochloride, levo-[ring, propyl- ³ H(N)]- 90–120 Ci (3.33–4.44 TBq)/mmol 1 mCi/mL Packaged in ethanol under nitrogen in a vial that protects contents from UV light. Shipped in dry ice. Store at -20 °C.	25 µCi (925 kBq) 250 µCi (9.25 MBq) 1 mCi (37 MBq)	NET720025UC NET720250UC NET720001MC
Dihydrotestosterone (5α androstan-17β-OL-3-one), [1,2,4,5,6,7- ³ H(N)]- 110–150 Ci (4.07–5.55 TBq)/mmol 1 mCi/mL Packaged in ethanol. Shipped in dry ice. Store at -20 °C.	250 µCi (9.25 MBq) 1 mCi (37 MBq)	NET453250UC NET453001MC
Dihydroxyphenylethylamine, 3,4-[7- ³ H]-, (Dopamine) 20–40 Ci (0.74–1.48 TBq)/mmol 1 mCi/mL Packaged in 0.2 N acetic acid:ethanol (9:1) under argon in a vial that protects contents from UV light. Shipped in dry ice. Store at 2–8 °C.	250 µCi (9.25 MBq) 1 mCi (37 MBq)	NET131250UC NET131001MC
Dihydroxyphenylethylamine, 3,4-[ring-2,5,6- ³ H]-, (Dopamine) 30–60 Ci (1.11–2.22 TBq)/mmol 1 mCi/mL Packaged in 0.2 N acetic acid:ethanol (9:1) under argon in a vial that protects contents from UV light. Shipped in dry ice. Store at 2–8 °C.	250 µCi (9.25 MBq) 1 mCi (37 MBq)	NET673250UC NET673001MC
Dihydroxyvitamin D ₃ , 1α, 25-[26,27- ³ H]- 155–175 Ci (5.74–6.48 TBq)/mmol 0.01 mCi/mL Packaged in toluene:ethanol (1:1) under argon in a silanized vial that protects contents from UV light. Shipped in dry ice. Store at -80 °C.	5 µCi (185 kBq)	NET626005UC
Diisopropylfluorophosphate, [1,3- ³ H]- >3.0 Ci (111 GBq)/mmol 1 mCi/mL Packaged in propylene glycol solution. Shipped ambient. Store at 2–8 °C.	250 µCi (9.25 MBq) 1 mCi (37 MBq)	NET065250UC NET065001MC
Diltiazem, cis-(+)-[N-methyl- ³ H]- 60–87 Ci (2.22–3.22 TBq)/mmol 1 mCi/mL Packaged in ethanol under nitrogen in a vial that protects contents from UV light. Shipped in dry ice. Store at -80 °C.	25 µCi (925 kBq) 250 µCi (9.25 MBq) 1 mCi (37 MBq)	NET847025UC NET847250UC NET847001MC

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Di–Eg

Product	Size	Product No.
(+/-)-1-2,5,-Dimethoxy-4-2-aminopropane <i>See (±)-DOI.</i>		
1,3-Di-O-Tolylguanidine Di <i>See DTG.</i>		
5,5-Diphenylhydantoin, [4- ¹⁴ C]-, (Phenytoin) 40–60 mCi (1.48–2.22 GBq)/mmol 0.1 mCi/mL Packaged in ethanol. Shipped ambient. Store at 2–8 °C.	50 µCi (1.85 MBq)	NEC246050UC
Diphosphopyridine Nucleotide <i>See Nicotinamide Adenine.</i>		
Diprenorphine, [15,16- ³ H]- 50–70 Ci (1.85–2.59 TBq)/mmol 1 mCi/mL Packaged in an ethanol solution under nitrogen in a vial that protects contents from UV light. Shipped in dry ice. Store at -20 °C.	25 µCi (925 kBq) 250 µCi (9.25 MBq)	NET1121025UC NET1121250UC
Disodium phosphate <i>See Phosphorus-32.</i>		
(±)-DOI, [¹²⁵ I]- 2200 Ci (81.4 TBq)/mmol Packaged in ethanol. Shipped ambient. Store at 2–8 °C. Fresh lot: Fourth Monday of each month.	100 µCi (3.7 MBq) 500 µCi (18.5 MBq)	NEX255100UC NEX255500UC
Dopamine <i>See Dihydroxyphenylethylamine.</i>		
8-hydroxy-DPAT, [propyl-2,3-ring-1,2,3- ³ H]- 100–200 Ci (3.7–7.4 TBq)/mmol 1 mCi/mL Packaged in ethanol under argon in a vial that protects contents from UV light. Shipped in dry ice. Store at -80 °C.	25 µCi (925 kBq) 250 µCi (9.25 MBq) 1 mCi (37 MBq)	NET929025UC NET929250UC NET929001MC
DPAT <i>See Hydroxy-DPAT and Hydroxy-PIPAT.</i>		
DPDPE <i>See Enkephalin (2-D-penicillamine, 5-D-penicillamine).</i>		
DPN <i>See Nicotinamide Adenine Dinucleotide.</i>		
DTG (1,3-di-o-tolylguanidine, [p-ring- ³ H]-), [5- ³ H(N)]- 30–60 Ci (1.11–2.22 TBq)/mmol 1 mCi/mL Packaged in ethanol. Shipped in dry ice. Store at -20 °C.	25 µCi (925 kBq) 250 µCi (9.25 MBq) 1 mCi (37 MBq)	NET986025UC NET986250UC NET986001MC
E217G <i>See Estradiol 17β-D-glucuronide.</i>		
Ecdysone, α-[23,24- ³ H(N)]- 50–110 Ci (1.85–4.07 TBq)/mmol 0.1 mCi/mL Packaged in ethanol under nitrogen in a NENSure vial that protects contents from UV light. Shipped in dry ice. Store at -20 °C.	50 µCi (1.85 MBq)	NET621050UC
EGF <i>See Epidermal Growth Factor.</i>		

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Product	Size	Product No.
Eledoisin (Lys ⁴), [¹²⁵ I]-, Bolton-Hunter labeled 2200 Ci (81.4 TBq)/mmol Packaged in acetonitrile:TEAP (pH 2.5) containing 2-mercaptoethanol (35:65). Shipped in dry ice. Store at -20 °C. Fresh lot: Third Monday of odd months.	10 µCi (370 kBq) 50 µCi (1.85 MBq)	NEX218010UC NEX218050UC
Endothelin-1 (Tyr ¹³), [¹²⁵ I]-, ([¹²⁵ I]-ET-1), (human, porcine) 2200 Ci (81.4 TBq)/mmol Packaged in a tris-HCl buffer containing sodium chloride, Trasylol® and a stabilizer (pH 8.6). Shipped in dry ice. Store at -20 °C. Fresh lot: First Monday of each month.	5 µCi (185 kBq) 10 µCi (370 kBq) 50 µCi (1.85 MBq)	NEX259005UC NEX259010UC NEX259050UC
Enkephalin (2-D-alanine-5-D-leucine), [tyrosyl-3,5- ³ H(N)]- 30–60 Ci (1.11–2.22 TBq)/mmol 1 mCi/mL Packaged in ethanol under argon in a silanized vial. Shipped in dry ice. Store at -20 °C.	250 µCi (9.25 MBq)	NET648250UC
Enkephalin, (2-D-penicillamine, 5-D-penicillamine), [tyrosyl-2,6- ³ H(N)]-, (DPDPE) 30–60 Ci (1.11–2.22 TBq)/mmol 1 mCi/mL Packaged in ethanol containing 10 mM DTT under argon in a silanized vial. Shipped in dry ice. Store at -20 °C.	50 µCi (1.85 MBq) 250 µCi (9.25 MBq)	NET922050UC NET922250UC
Eotaxin, [¹²⁵ I]-, (human, recombinant) 2200 Ci (81.4 TBq)/mmol Packaged lyophilized from sodium acetate buffer containing sucrose and BSA. Shipped ambient. Store at 2–8 °C. Fresh lot: Second Monday of each month.	5 µCi (185 kBq) 25 µCi (925 kBq)	NEX314005UC NEX314025UC
Epibatidine, [¹²⁵ I]-, ([¹²⁵ I]-IPH) 2200 Ci (81.4 TBq)/mmol Packaged in 95% ethanol. Shipped in dry ice. Store at -20 °C. Fresh lot: First Monday of even month.	10 µCi (370 kBq) 50 µCi (1.85 MBq)	NEX358010UC NEX358050UC
(+/-)-Epibatidine, [5,6-bicycloheptyl- ³ H]- 30–70 Ci (1.11–2.59 TBq)/mmol 1 mCi/mL Packaged in ethanol under argon in a silanized vial that protects contents from UV light. Shipped in dry ice. Store at -20 °C.	25 µCi (925 kBq) 250 µCi (9.25 MBq)	NET1102025UC NET1102250UC
Epidermal Growth Factor, [¹²⁵ I]-, ([¹²⁵ I]-EGF), (murine) 2200 Ci (81.4 TBq)/mmol Packaged lyophilized from phosphate-buffered saline containing glycine, BSA and Trasylol®. Shipped ambient. Store at 2–8 °C. Fresh lot: First Monday of each month.	10 µCi (370 kBq) 50 µCi (1.85 MBq)	NEX160010UC NEX160050UC
Epinephrine, levo-[N-methyl- ³ H]- 55–85 Ci (2.03–3.15 TBq)/mmol 1 mCi/mL Packaged in 0.2 N acetic acid:ethanol (9:1) under argon in a vial that protects contents from UV light. Shipped in dry ice. Store at -80 °C.	250 µCi (9.25 MBq) 1 mCi (37 MBq)	NET623250UC NET623001MC
Erythromycin, [N-methyl- ¹⁴ C]- 40–60 mCi (1.48–2.22 GBq)/mmol 0.1 mCi/mL Packaged in ethanol. Shipped in dry ice. Store at -20 °C.	50 µCi (1.85 MBq) 250 µCi (9.25 MBq)	NEC777050UC NEC777250UC

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Product	Size	Product No.
3,17β-Estradiol, 16α-[¹²⁵ I]iodo-	10 μCi (370 kBq)	NEX144010UC
2200 Ci (81.4 TBq)/mmol	50 μCi (1.85 MBq)	NEX144050UC
Packaged in ethanol in a vial that protects contents from UV light.		
Shipped ambient. Store at 2–8 °C.		
Fresh lot: Fourth Monday of each month.		
3,17β-Estradiol, 16α-[¹²⁵ I]iodo-	10 μCi (370 kBq)	NEX144L010UC
~220 Ci (8.14 TBq)/mmol	50 μCi (1.85 MBq)	NEX144L050UC
Packaged in ethanol in a vial that protects contents from UV light.		
Shipped ambient. Store at 2–8 °C.		
Fresh lot: Fourth Monday of each month.		
Estradiol, [2,4,6,7,16,17- ³ H(N)]-	250 μCi (9.25 MBq)	NET517250UC
110–170 Ci (4.07–6.29 TBq)/mmol	1 mCi (37 MBq)	NET517001MC
1 mCi/mL		
Packaged in ethanol.		
Shipped ambient. Store at 2–8 °C.		
Estradiol, [2,4,6,7- ³ H(N)]-	250 μCi (9.25 MBq)	NET317250UC
70–115 Ci (2.59–4.25 TBq)/mmol	1 mCi (37 MBq)	NET317001MC
1 mCi/mL		
Packaged in ethanol.		
Shipped in dry ice. Store at -20 °C.		
Estradiol, [6,7- ³ H(N)]-	250 μCi (9.25 MBq)	NET013250UC
40–60 Ci (1.48–2.22 TBq)/mmol	1 mCi (37 MBq)	NET013001MC
1 mCi/mL	5 mCi (185 MBq)	NET013005MC
Packaged in ethanol.		
Shipped ambient. Store at 2–8 °C.		
Estradiol 17β-D-glucuronide, [estradiol-6,7- ³ H(N)]-	50 μCi (1.85 MBq)	NET1106050UC
30–60 Ci (1.11–2.22 TBq)/mmol	250 μCi (9.25 MBq)	NET1106250UC
1 mCi/mL		
Packaged in ethanol:water (9:1).		
Shipped in dry ice. Store at -20 °C.		
Estrone, [2,4,6,7- ³ H(N)]-	250 μCi (9.25 MBq)	NET319250UC
50–100 Ci (1.85–3.7 TBq)/mmol	1 mCi (37 MBq)	NET319001MC
1 mCi/mL		
Packaged in ethanol.		
Shipped in dry ice. Store at -20 °C.		
Estrone sulfate, ammonium salt, [6,7- ³ H(N)]-	250 μCi (9.25 MBq)	NET203250UC
40–60 Ci (1.48–2.22 TBq)/mmol		
1 mCi/mL		
Packaged in ethanol.		
Shipped in dry ice. Store at -20 °C.		
Ethylcarboxamidoadenosine, 5'-N-[adenine-2,8- ³ H]-	250 μCi (9.25 MBq)	NET811250UC
15–30 Ci (0.555–1.11 TBq)/mmol		
1 mCi/mL		
Packaged in ethanol:water (7:3).		
Shipped in dry ice. Store at -20 °C.		
Ethylmaleimide, N-[ethyl-1- ¹⁴ C]-	50 μCi (1.85 MBq)	NEC454050UC
20–40 mCi (0.74–1.48 GBq)/mmol		
0.1 mCi/mL		
Packaged in pentane in a sealed ampoule.		
Shipped ambient. Store at 2–8 °C.		

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Product	Size	Product No.
Exendin, [^{125}I]-, (9–39)	10 μCi (370 kBq)	NEX335010UC
2200 Ci (81.4 TBq)/mmol	50 μCi (1.85 MBq)	NEX335050UC
Packaged in tris-HCl (pH 8.6) containing sodium chloride, BSA and Trasylol®:n-propanol (1:1). Shipped ambient. Store at 2–8 °C. Fresh lot: Third Monday of each month.		
EXPRES ^{35}S Protein Labeling Mix, [^{35}S]-, (EasyTag)	2 mCi (74 MBq)	NEG772002MC
>1000 Ci (37 TBq)/mmol	7 mCi (259 MBq)	NEG772007MC
11 mCi/mL	14 mCi (518 MBq)	NEG772014MC
Packaged in a stabilized aqueous solution. Shipped ambient. Store at 2–8 °C or below. Fresh lot: Every third Monday.		
EXPRES ^{35}S Protein Labeling Mix, [^{35}S]-	2 mCi (74 MBq)	NEG072002MC
>1000 Ci (37 TBq)/mmol	7 mCi (259 MBq)	NEG072007MC
11 mCi/mL	14 mCi (518 MBq)	NEG072014MC
Packaged in 50 mM tricine (pH 7.4) and 10 mM 2-mercaptoethanol. Shipped in dry ice. Store at -20 °C or below. Fresh lot: Every third Monday.		
Farnesyl pyrophosphate, triammonium salt, [$1\text{-}^3\text{H}(\text{N})$]-	50 μCi (1.85 MBq)	NET1042050UC
15–30 Ci (0.555–1.11 TBq)/mmol	250 μCi (9.25 MBq)	NET1042250UC
0.5 mCi/mL	1 mCi (37 MBq)	NET1042001MC
Packaged in 70% ethanol in an 0.025 M ammonium bicarbonate solution under argon in a silanized vial. Shipped in dry ice. Store at -20 °C.		
FGF Basic <i>See Fibroblast Growth Factor Basic.</i>		
Fibroblast Growth Factor Basic, [^{125}I]-, ([^{125}I]-FGF basic), (human, recombinant)	10 μCi (370 kBq)	NEX268010UC
>70 μCi (2.59 MBq)/ μg	50 μCi (1.85 MBq)	NEX268050UC
Packaged in HEPES buffer (pH 7.4) containing gelatin and sodium chloride. Shipped in dry ice. Store at -20 °C. Fresh lot: Second Monday of each month.		
Flunitrazepam, [methyl- ^3H]-	25 μCi (925 kBq)	NET567025UC
70–87 Ci (2.59–3.22 TBq)/mmol	250 μCi (9.25 MBq)	NET567250UC
1 mCi/mL	1 mCi (37 MBq)	NET567001MC
Packaged in ethanol. Shipped ambient. Store at -20 °C.		
Follicle Stimulating Hormone, [^{125}I]-, ([^{125}I]-FSH)	10 μCi (370 kBq)	NEX173010UC
90–200 μCi (3.33–7.4 MBq)/ μg	50 μCi (1.85 MBq)	NEX173050UC
Packaged in phosphate-buffered saline containing EDTA, BSA and sodium azide. Shipped in dry ice. Store at -20 °C. Fresh lot: Fourth Monday of each month.		
Formaldehyde, [^{14}C]-	50 μCi (1.85 MBq)	NEC039H050UC
40–60 mCi (1.48–2.22 GBq)/mmol	250 μCi (9.25 MBq)	NEC039H250UC
Packaged in formaldehyde:water (1:99) in a sealed ampoule. Shipped ambient. Store at 2–8 °C.	1 mCi (37 MBq)	NEC039H001MC
Fractalkine, [^{125}I]-, (human, recombinant)	10 μCi (370 kBq)	NEX368010UC
1000–2200 Ci (37–81.4 TBq)/mmol	25 μCi (925 kBq)	NEX368025UC
Packaged in 50 mM sodium acetate with 50 mM n-actylmethionine, 5% sucrose and 0.25% BSA. Shipped in dry ice. Store at -20 °C. Fresh lot: First Monday of each month.		
FSH <i>See Follicle Stimulating Hormone.</i>		

Radiochemicals Product Listing

Ga-Gb

Product	Size	Product No.
GABA <i>See Aminobutyric acid.</i>		
Gadolinium-153 microspheres, 15 µ	100 µCi (3.7 MBq)	NEM112A100UC
1–20 mCi (37–740 MBq)/g	250 µCi (9.25 MBq)	NEM112A250UC
Packaged in normal saline, 10% dextran or 20% dextran; with or without 0.01% Tween-80®.	500 µCi (18.5 MBq)	NEM112A500UC
Shipped ambient. Store at 2–8 °C.	1 mCi (37 MBq)	NEM112A001MC
Gadolinium-153 radionuclide	100 µCi (3.7 MBq)	NEZ142100UC
>5 Ci (185 GBq)/g	500 µCi (18.5 MBq)	NEZ142500UC
Packaged in 0.5 M HCl.	1 mCi (37 MBq)	NEZ142001MC
Shipped ambient. Store ambient.		
Half life: 242 days		
Galactose 1-phosphate, disodium salt, D-[¹⁴ C(U)]-	10 µCi (370 kBq)	NEC579010UC
250–360 mCi (9.25–13.3 GBq)/mmol	50 µCi (1.85 MBq)	NEC579050UC
0.02 mCi/mL		
Packaged in ethanol:water (7:3).		
Shipped ambient. Store at -20 °C.		
Galanin, [¹²⁵ I]-, (2–11)	10 µCi (370 kBq)	NEX416010UC
2200 Ci (81.4 TBq)/mmol	25 µCi (925 kBq)	NEX416025UC
Packaged in 0.1% TFA and 0.4% BSA:46% 1-propanol and 54% acetonitrile (1:1).		
Shipped in dry ice. Store at -20 °C.		
Fresh lot: First Monday of each month.		
Galanin, [¹²⁵ I]-, (human)	10 µCi (370 kBq)	NEX333010UC
2200 Ci (81.4 TBq)/mmol	50 µCi (1.85 MBq)	NEX333050UC
Packaged in 0.1% acetic acid:ethanol (70:30) containing 0.25% BSA.		
Shipped in dry ice. Store at -80 °C.		
Fresh lot: Third Monday of each month.		
Galanin, [¹²⁵ I]-, (porcine)	10 µCi (370 kBq)	NEX243010UC
2200 Ci (81.4 TBq)/mmol	50 µCi (1.85 MBq)	NEX243050UC
Packaged in 0.1% acetic acid:ethanol (70:30) containing 0.25% BSA.		
Shipped in dry ice. Store at -80 °C.		
Fresh lot: Fourth Monday of each month.		
Gamma ATP, Kinase <i>See Adenosine triphosphate.</i>		
Gamma-Interferon-Inductible Protein 10 <i>See IP-10.</i>		
Gastric Inhibitory Polypeptide, [¹²⁵ I]-, (human)	10 µCi (370 kBq)	NEX402010UC
2200 Ci (81.4 TBq)/mmol	25 µCi (925 kBq)	NEX402025UC
Packaged in 50 mM sodium acetate (pH 4.0) containing 50 mM N-acetylmethionine, 5% sucrose and 0.25% BSA.		
Shipped in dry ice. Store at -20 °C.		
Fresh upon request.		
Gastrin I (Tyr ¹²), [¹²⁵ I]-, (human)	10 µCi (370 kBq)	NEX176010UC
2200 Ci (81.4 TBq)/mmol	50 µCi (1.85 MBq)	NEX176050UC
Packaged lyophilized from phosphate-buffered saline containing glycine, BSA and Trasylol®.		
Shipped ambient. Store at 2–8 °C.		
Fresh lot: Second Monday of each month.		
GBR 12935, [propylene-2,3- ³ H]-	250 µCi (9.25 MBq)	NET918250UC
40–60 Ci (1.48–2.22 TBq)/mmol	1 mCi (37 MBq)	NET918001MC
1 mCi/mL		
Packaged in ethanol under argon in a silanized vial.		
Shipped in dry ice. Store at -20 °C.		

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Product	Size	Product No.
Geranylgeranyl pyrophosphate, triammonium salt, [$1\text{-}^3\text{H}(\text{N})$]-	50 μCi (1.85 MBq)	NET1052050UC
10–30 Ci (0.37–1.11 TBq)/mmol	250 μCi (9.25 MBq)	NET1052250UC
0.5 mCi/mL		
Packaged in 70% ethanol in a 0.025 M ammonium bicarbonate solution under argon in a silanized vial.		
Shipped in dry ice. Store at $-20\text{ }^{\circ}\text{C}$.		
Ghrelin (His), [^{125}I]-, (human)	10 μCi (370 kBq)	NEX388010UC
2200 Ci (81.4 TBq)/mmol	25 μCi (925 kBq)	NEX388025UC
Packaged in 0.1% TFA with 0.4% BSA:46% 1-propanol and 54% acetonitrile (1:1).		
Shipped in dry ice. Store at $-20\text{ }^{\circ}\text{C}$.		
Fresh lot: Fourth Monday of each month.		
Ghrelin [^{125}I]-, [^{125}I]-	10 μCi (370 kBq)	NEX417010UC
2200 Ci (81.4 TBq)/mmol	25 μCi (925 kBq)	NEX417025UC
Packaged in 0.1% TFA and 0.4% BSA:46% 1-propanol and 54% acetonitrile (1:1).		
Shipped in dry ice. Store at $-20\text{ }^{\circ}\text{C}$.		
Fresh lot: Second Monday of each month.		
Glibenclamide, glyburide, [cyclohexyl-2,3- $^3\text{H}(\text{N})$]-	25 μCi (925 kBq)	NET1024025UC
40–70 Ci (1.48–2.59 TBq)/mmol	250 μCi (9.25 MBq)	NET1024250UC
1 mCi/mL		
Packaged in ethanol under argon in a silanized vial.		
Shipped in dry ice. Store at $-20\text{ }^{\circ}\text{C}$.		
Glucagon-like Peptide-1, [^{125}I]-, ([^{125}I]-GLP-1), (7–36)	10 μCi (370 kBq)	NEX308010UC
2200 Ci (81.4 TBq)/mmol	50 μCi (1.85 MBq)	NEX308050UC
Packaged in 1-propanol: 0.1% TFA:acetonitrile (23:50:27) containing BSA.		
Shipped ambient. Store at $2\text{--}8\text{ }^{\circ}\text{C}$.		
Fresh lot: First Monday of each month.		
Glucagon-like Peptide-2, [^{125}I]-, ([^{125}I]-GLP-2)	10 μCi (370 kBq)	NEX390010UC
2200 Ci (81.4 TBq)/mmol	25 μCi (925 kBq)	NEX390025UC
Packaged in 0.2 M N-acetylmethionine, 50 mM phosphoric acid and 0.25% BSA:1-propanol (1:1).		
Shipped in dry ice. Store at $2\text{--}8\text{ }^{\circ}\text{C}$ or below.		
Fresh upon request.		
Glucagon, [^{125}I]-, receptor grade	10 μCi (370 kBq)	NEX207010UC
2200 Ci (81.4 TBq)/mmol	50 μCi (1.85 MBq)	NEX207050UC
Packaged in 1-propanol:tris buffer (pH 8.6) (1:1) containing sodium chloride, BSA and Trasylol®.		
Shipped ambient. Store at $2\text{--}8\text{ }^{\circ}\text{C}$.		
Fresh lot: First Monday of each month.		
Glucosamine hydrochloride, D-[6- $^3\text{H}(\text{N})$]-	250 μCi (9.25 MBq)	NET190A250UC
20–45 Ci (0.74–1.66 TBq)/mmol	1 mCi (37 MBq)	NET190A001MC
1 mCi/mL	5 mCi (185 MBq)	NET190A005MC
Steri-packaged in an aqueous solution. Not for human use.		
Shipped ambient. Store at $2\text{--}8\text{ }^{\circ}\text{C}$.		
Glucose 1-phosphate, dipotassium salt, $\alpha\text{-D-[}^{14}\text{C(U)}\text{]-}$	10 μCi (370 kBq)	NEC390010UC
>200 mCi (7.4 GBq)/mmol	50 μCi (1.85 MBq)	NEC390050UC
0.02 mCi/mL		
Packaged in ethanol:water (7:3).		
Shipped in dry ice. Store at $-20\text{ }^{\circ}\text{C}$.		
Glucose, D-[1- ^{14}C]-	50 μCi (1.85 MBq)	NEC043X050UC
45–60 mCi (1.66–2.22 GBq)/mmol	250 μCi (9.25 MBq)	NEC043X250UC
0.1 mCi/mL	1 mCi (37 MBq)	NEC043X001MC
Packaged in ethanol:water (9:1).		
Shipped ambient. Store at $2\text{--}8\text{ }^{\circ}\text{C}$.		

Radiochemicals Product Listing

GI—GI

Product	Size	Product No.
Glucose, D-[¹⁴ C(U)]- 1–5 mCi (37–185 MBq)/mmol 0.1 mCi/mL Packaged in ethanol:water (9:1). Shipped ambient. Store at 2–8 °C.	1 mCi (37 MBq)	NEC042A001MC
Glucose, D-[¹⁴ C(U)]- 250–360 mCi (9.25–13.3 GBq)/mmol 1 mCi/mL Packaged in ethanol:water (9:1). Shipped ambient. Store at 2–8 °C.	5 mCi (185 MBq)	NEC042B005MC
Glucose, D-[¹⁴ C(U)]- 250–360 mCi (9.25–13.3 GBq)/mmol 0.1 mCi/mL Packaged in ethanol:water (9:1). Shipped ambient. Store at 2–8 °C.	50 µCi (1.85 MBq)	NEC042X050UC
	250 µCi (9.25 MBq)	NEC042X250UC
	1 mCi (37 MBq)	NEC042X001MC
Glucose, D-[2- ³ H]- 20–30 Ci (0.74–1.11 TBq)/mmol 1 mCi/mL Packaged in ethanol:water (9:1). Shipped in dry ice. Store at -20 °C.	1 mCi (37 MBq)	NET238C001MC
	5 mCi (185 MBq)	NET238C005MC
Glucose, D-[3- ³ H]- 10–20 Ci (370–740 GBq)/mmol 1 mCi/mL Packaged in ethanol:water (9:1). Shipped in dry ice. Store at -20 °C.	250 µCi (9.25 MBq)	NET331C250UC
	1 mCi (37 MBq)	NET331C001MC
	5 mCi (185 MBq)	NET331C005MC
Glucose, D-[3- ³ H]- 10–20 Ci (370–740 GBq)/mmol 1 mCi/mL Steri-packaged in an aqueous solution. Not for human use. Shipped ambient. Store at 2–8 °C.	250 µCi (9.25 MBq)	NET331A250UC
	1 mCi (37 MBq)	NET331A001MC
	5 mCi (185 MBq)	NET331A005MC
Glucose, D-[5- ³ H(N)]- 10–20 Ci (370–740 GBq)/mmol 1 mCi/mL Packaged in ethanol:water (9:1). Shipped ambient. Store at -20 °C.	1 mCi (37 MBq)	NET531001MC
	5 mCi (185 MBq)	NET531005MC
Glucose, D-[6- ³ H(N)]- 25–50 Ci (0.925–1.85 TBq)/mmol 1 mCi/mL Packaged in ethanol:water (9:1). Shipped in dry ice. Store at -20 °C.	1 mCi (37 MBq)	NET100C001MC
	5 mCi (185 MBq)	NET100C005MC
Glucose, L-[1- ¹⁴ C]- 45–55 mCi (1.66–2.03 GBq)/mmol 0.1 mCi/mL Packaged in ethanol:water (9:1). Shipped ambient. Store at -20 °C.	50 µCi (1.85 MBq)	NEC478050UC
	250 µCi (9.25 MBq)	NEC478250UC
Glutamic acid, L-[¹⁴ C(U)]- >250 mCi (9.25 GBq)/mmol 0.1 mCi/mL Steri-packaged in ethanol:water (2:98). Not for human use. Shipped ambient. Store at 2–8 °C.	50 µCi (1.85 MBq)	NEC290E050UC
	250 µCi (9.25 MBq)	NEC290E250UC
	1 mCi (37 MBq)	NEC290E001MC

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Product	Size	Product No.
Glutamic acid, L-[3,4- ³ H]-	250 µCi (9.25 MBq)	NET490250UC
40–80 Ci (1.48–2.96 TBq)/mmol	1 mCi (37 MBq)	NET490001MC
1 mCi/mL	5 mCi (185 MBq)	NET490005MC
Packaged in ethanol:water (2:98).		
Shipped ambient. Store at 2–8 °C.		
Glutamine, L-[3,4- ³ H(N)]-	250 µCi (9.25 MBq)	NET551250UC
30–60 Ci (1.11–2.22 TBq)/mmol	1 mCi (37 MBq)	NET551001MC
1 mCi/mL	5 mCi (185 MBq)	NET551005MC
Steri-packaged in ethanol:water (2:98). Not for human use.		
Shipped ambient. Store at 2–8 °C.		
Glutathione, [³⁵ S]-	100 µCi (3.7 MBq)	NEG029100UC
>30 Ci (1.11 TBq)/mmol	250 µCi (9.25 MBq)	NEG029250UC
2 mCi/mL		
Packaged in 10 mM DTT.		
Shipped in dry ice. Store at -20°C or below.		
Fresh lot: Every third Monday.		
Glutathione, [glycine-2- ³ H]-	50 µCi (1.85 MBq)	NET282050UC
20–50 Ci (0.74–1.85 TBq)/mmol	250 µCi (9.25 MBq)	NET282250UC
1 mCi/mL		
Packaged in an aqueous solution with 10 mM DTT under argon in a silanized vial that protects contents from UV light.		
Shipped in dry ice. Store at -80 °C.		
Glycerol, [¹⁴ C(U)]-	50 µCi (1.85 MBq)	NEC441X050UC
125–180 mCi (4.62–6.66 GBq)/mmol	250 µCi (9.25 MBq)	NEC441X250UC
0.1 mCi/mL		
Packaged in ethanol:water (1:1).		
Shipped ambient. Store at -20 °C.		
Glycine, [¹⁴ C(U)]-	50 µCi (1.85 MBq)	NEC276E050UC
>100 mCi (3.7 GBq)/mmol	250 µCi (9.25 MBq)	NEC276E250UC
0.1 mCi/mL		
Steri-packaged in ethanol:water (2:98). Not for human use.		
Shipped ambient. Store at 2–8 °C.		
Glycine, [2- ³ H]-	1 mCi (37 MBq)	NET004001MC
30–60 Ci (1.11–2.22 TBq)/mmol	5 mCi (185 MBq)	NET004005MC
1 mCi/mL		
Packaged in ethanol:water (2:98).		
Shipped ambient. Store at 2–8 °C.		
GM-CSF		
See <i>Granulocyte Macrophage-Colony Stimulating Factor</i> .		
Gonadotropin Releasing Hormone		
See <i>Luteinizing Hormone Releasing Hormone</i> .		
GR 65630, [N-methyl- ³ H]-	25 µCi (925 kBq)	NET1011025UC
60–87 Ci (2.22–3.22 TBq)/mmol	250 µCi (9.25 MBq)	NET1011250UC
1 mCi/mL		
Packaged in ethanol under argon in vial that protects contents from UV light.		
Shipped in dry ice. Store at -20 °C.		
Granulocyte Macrophage-Colony Stimulating Factor, [¹²⁵ I]-, ([¹²⁵ I]-rGM-CSF), (human, recombinant)	5 µCi (185 kBq)	NEX249005UC
70–120 µCi (2.59–4.44 MBq)/µg	10 µCi (370 kBq)	NEX249010UC
Packaged in sodium phosphate buffer (pH 6.8) containing sucrose, BSA and a stabilizer.	25 µCi (925 kBq)	NEX249025UC
Shipped in dry ice. Store at -80 °C.		
Fresh upon request.		

Radiochemicals Product Listing

Gr–Gu

Product	Size	Product No.
GRO alpha/MGSA, [¹²⁵ I]- 2200 Ci (81.4 TBq)/mmol Packaged lyophilized from sodium acetate containing sucrose, BSA and a stabilizer. Shipped ambient. Store at 2–8 °C. Fresh lot: Third Monday of each month.	5 µCi (185 kBq) 25 µCi (925 kBq)	NEX321005UC NEX321025UC
Growth Hormone, [¹²⁵ I]-, ([¹²⁵ I]-hGH), (human) 85–130 µCi (3.15–4.81 MBq)/µg Packaged in phosphate-buffered saline containing glycine, BSA and Trasylol®. Shipped in dry ice. Store at -20 °C. Fresh lot: Fourth Monday of each month.	10 µCi (370 kBq)	NEX100010UC
Guanosine 3',5'-cyclic phosphate, ammonium salt, [8- ³ H]- 5–15 Ci (185–555 GBq)/mmol 1 mCi/mL Packaged in ethanol:water (1:1). Shipped in dry ice. Store at -20 °C.	250 µCi (9.25 MBq) 1 mCi (37 MBq)	NET337250UC NET337001MC
Guanosine 3',5'-cyclic phosphoric acid, 2'-O-succinyl, [¹²⁵ I]iodotyrosine, methyl ester 2200 Ci (81.4 TBq)/mmol Packaged in 1-propanol:0.02 M sodium acetate (pH 6.0) (1:1). Shipped ambient. Store at 2–8 °C. Fresh lot: First Monday of each month.	1 µCi (37 kBq) 5 µCi (185 kBq) 25 µCi (925 kBq)	NEX131001UC NEX131005UC NEX131025UC
Guanosine 5'-diphosphate, trisodium salt, [8,5'- ³ H]- 5–15 Ci (185–555 GBq)/mmol 1 mCi/mL Packaged in ethanol:water (1:1). Shipped in dry ice. Store at -20 °C.	250 µCi (9.25 MBq) 1 mCi (37 MBq)	NET471250UC NET471001MC
Guanosine 5'-diphosphate, trisodium salt, [8,5'- ³ H]- 25–50 Ci (0.925–1.85 TBq)/mmol 1 mCi/mL Packaged in ethanol:water (1:1). Shipped in dry ice. Store at -20 °C.	250 µCi (9.25 MBq) 1 mCi (37 MBq)	NET966250UC NET966001MC
Guanosine 5'-(γ-thio) triphosphate, [³⁵ S]- 1250 Ci (46.2 TBq)/mmol 12.5 mCi/mL Packaged in 10 mM tricine buffer (pH 7.6) with 10 mM DTT. Shipped in dry ice. Store at -20 °C or below. Fresh lot: First Tuesday of each month.	250 µCi (9.25 MBq) 1 mCi (37 MBq)	NEG030H250UC NEG030H001MC
Guanosine 5'-triphosphate, tetrasodium salt, [8,5'- ³ H]- 25–50 Ci (0.925–1.85 TBq)/mmol 1 mCi/mL Packaged in ethanol:water (1:1). Shipped in dry ice. Store at -20 °C.	250 µCi (9.25 MBq) 1 mCi (37 MBq) 5 mCi (185 MBq)	NET546250UC NET546001MC NET546005MC
Guanosine 5'-triphosphate, [α- ³² P]- 800 Ci (29.6 TBq)/mmol 10 mCi/mL Packaged in 50 mM tricine buffer (pH 7.6). Lead-free packaging. Shipped in dry ice. Store at -20 °C or below. Fresh lot: Every Monday and Thursday.	250 µCi (9.25 MBq) 500 µCi (18.5 MBq) 1 mCi (37 MBq)	BLU006X250UC BLU006X500UC BLU006X001MC

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Product	Size	Product No.
Guanosine 5'-triphosphate, [α - 32 P]-, (EasyTides)	250 μ Ci (9.25 MBq)	BLU506H250UC
3000 Ci (111 TBq)/mmol	1 mCi (37 MBq)	BLU506H001MC
10 mCi/mL		
Packaged in 50 mM tricine buffer (pH 7.6) with green dye. Lead-free packaging.		
Shipped ambient. Store at 2–8 °C or below.		
Fresh lot: Every Monday and Thursday.		
Guanosine 5'-triphosphate, [α - 32 P]-, (EasyTides)	250 μ Ci (9.25 MBq)	NEG506H250UC
3000 Ci (111 TBq)/mmol	500 μ Ci (18.5 MBq)	NEG506H500UC
10 mCi/mL	1 mCi (37 MBq)	NEG506H001MC
Packaged in 50 mM tricine buffer (pH 7.6) with green dye. Shipped in lead.		
Shipped ambient. Store at 2–8 °C or below.		
Fresh lot: Every Monday and Thursday.		
Guanosine 5'-triphosphate, [α - 32 P]-	250 μ Ci (9.25 MBq)	BLU006H250UC
3000 Ci (111 TBq)/mmol	500 μ Ci (18.5 MBq)	BLU006H500UC
10 mCi/mL	1 mCi (37 MBq)	BLU006H001MC
Packaged in 50 mM tricine buffer (pH 7.6). Lead-free packaging.		
Shipped in dry ice. Store at -20 °C or below.		
Fresh lot: Every Monday and Thursday.		
Guanosine 5'-triphosphate, [α - 32 P]-	250 μ Ci (9.25 MBq)	NEG006H250UC
3000 Ci (111 TBq)/mmol	500 μ Ci (18.5 MBq)	NEG006H500UC
10 mCi/mL	1 mCi (37 MBq)	NEG006H001MC
Packaged in 50 mM tricine buffer (pH 7.6). Shipped in lead.		
Shipped in dry ice. Store at -20 °C or below.		
Fresh lot: Every Monday and Thursday.		
Guanosine 5'-triphosphate, [γ - 32 P]-, (EasyTides)	250 μ Ci (9.25 MBq)	BLU504Z250UC
6000 Ci (222 TBq)/mmol		
10 mCi/mL		
Packaged in 50 mM tricine buffer (pH 7.6) with green dye. Lead-free packaging.		
Shipped ambient. Store at 2–8 °C or below.		
Fresh lot: Every Monday and Thursday.		
Guanosine 5'-triphosphate, [γ - 32 P]-, (EasyTides)	250 μ Ci (9.25 MBq)	NEG504Z250UC
6000 Ci (222 TBq)/mmol		
10 mCi/mL		
Packaged in 50 mM tricine buffer (pH 7.6) with green dye. Shipped in lead.		
Shipped ambient. Store at 2–8 °C or below.		
Fresh lot: Every Monday and Thursday.		
Guanosine 5'-triphosphate, [γ - 32 P]-	250 μ Ci (9.25 MBq)	BLU004Z250UC
6000 Ci (222 TBq)/mmol	1 mCi (37 MBq)	BLU004Z001MC
10 mCi/mL		
Packaged in 10 mM tricine buffer (pH 7.6). Lead-free packaging.		
Shipped in dry ice. Store at -20 °C or below.		
Fresh lot: Every Monday and Thursday.		
Guanosine 5'-triphosphate, [γ - 32 P]-	250 μ Ci (9.25 MBq)	NEG004Z250UC
6000 Ci (222 TBq)/mmol	1 mCi (37 MBq)	NEG004Z001MC
10 mCi/mL		
Packaged in 10 mM tricine buffer (pH 7.6). Shipped in lead.		
Shipped in dry ice. Store at -20 °C or below.		
Fresh lot: Every Monday and Thursday.		

Radiochemicals Product Listing

Gu–He

Product	Size	Product No.
Guanosine 5'-triphosphate, [α - ^{33}P]-, (EasyTides)	100 μCi (3.7 MBq)	NEG606H100UC
3000 Ci (111 TBq)/mmol	250 μCi (9.25 MBq)	NEG606H250UC
10 mCi/mL	1 mCi (37 MBq)	NEG606H001MC
Packaged in 50 mM tricine buffer (pH 7.6) with amber gold dye.		
Shipped ambient. Store at 2–8 °C or below.		
Fresh lot: Every Friday.		
Guanosine 5'-triphosphate, [γ - ^{33}P]-, (EasyTides)	100 μCi (3.7 MBq)	NEG604H100UC
3000 Ci (111 TBq)/mmol	250 μCi (9.25 MBq)	NEG604H250UC
10 mCi/mL	1 mCi (37 MBq)	NEG604H001MC
Packaged in 50 mM tricine buffer (pH 7.6) with amber gold dye.		
Shipped ambient. Store at 2–8 °C or below.		
Fresh lot: Every Friday.		
Guanosine diphosphate fucose, [fucose- $^{14}\text{C}(\text{U})$]-	5 μCi (185 kBq)	NEC640005UC
>200 mCi (7.4 GBq)/mmol	25 μCi (925 kBq)	NEC640025UC
0.01 mCi/mL		
Packaged in ethanol:water (1:1).		
Shipped in dry ice. Store at -20 °C.		
Guanosine diphosphate fucose, [fucose-2- $^3\text{H}(\text{N})$]-	50 μCi (1.85 MBq)	NET989050UC
15–35 Ci (0.555–1.29 TBq)/mmol	250 μCi (9.25 MBq)	NET989250UC
0.1 mCi/mL		
Packaged in ethanol:water (7:3).		
Shipped in dry ice. Store at -20 °C.		
Guanosine diphosphate mannose, [mannose- $^{14}\text{C}(\text{U})$]-	10 μCi (370 kBq)	NEC536010UC
>200 mCi (7.4 GBq)/mmol	50 μCi (1.85 MBq)	NEC536050UC
0.02 mCi/mL		
Packaged in ethanol:water (7:3).		
Shipped in dry ice. Store at -20 °C.		
H2 or H3 Relaxin		
<i>See Relaxin.</i>		
HCG		
<i>See Chorionic Gonadotropin, (human).</i>		
HEAT, [^{125}I]-	100 μCi (3.7 MBq)	NEX182100UC
2200 Ci (81.4 TBq)/mmol	250 μCi (9.25 MBq)	NEX182250UC
Packaged in ethanol:phosphate buffer (1:1).		
Shipped in dry ice. Store at -20 °C		
Fresh lot: Third Monday of each month.		
Hemicholinium-3, diacetate salt, [methyl- ^3H]-	25 μCi (925 kBq)	NET884025UC
>120 Ci (4.44 TBq)/mmol	250 μCi (9.25 MBq)	NET884250UC
1 mCi/mL		
Packaged in ethanol in a silanized vial.		
Shipped in dry ice. Store at -80 °C.		
Hemokinin-1, [^{125}I]-, Bolton-Hunter labeled	10 μCi (370 kBq)	NEX414010UC
2200 Ci (81.4 TBq)/mmol	25 μCi (925 kBq)	NEX414025UC
Packaged in 100 mM triethylammonium phosphate (pH 3.5):100% acetonitrile (73:27) with 0.35% 2-mercaptoethanol.		
Shipped in dry ice. Store at -20 °C.		
Fresh lot: First Monday of each month.		
Heparin, sodium salt, [$^3\text{H}(\text{G})$]-	1 mCi (37 MBq)	NET476001MC
0.2–1 mCi (7.4–37 MBq)/mg		
Biological activity is >120 units/mg.		
Packaged as a crystalline solid in a screw-cap bottle.		
Shipped ambient. Store at 2–8 °C.		

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Product	Size	Product No.
Hexadecyl-2-acetyl-sn-glycerol-3-phosphorylcholine, 1-O-[acetyl- ³ H(N)]- 10–30 Ci (0.37–1.11 TBq)/mmol 0.1 mCi/mL Packaged in ethanol in a silanized vial. Shipped in dry ice. Store at -20 °C.	250 µCi (9.25 MBq)	NET910250UC
Hexadecyl PAF <i>See Hexadecyl-2-acetyl-sn-glycerol-3-phosphorylcholine.</i>		
HGH <i>See Growth Hormone, (human).</i>		
Histamine dihydrochloride, [ring, methylenes- ³ H(N)]- 10–40 Ci (0.37–1.48 TBq)/mmol 1 mCi/mL Packaged in ethanol:0.01 HCl (1:1) under nitrogen in a vial that protects contents from UV light. Shipped ambient. Store at -20 °C.	250 µCi (9.25 MBq) 1 mCi (37 MBq)	NET732250UC NET732001MC
HMG-CoA <i>See Hydroxy-3-methylglutaryl coenzyme A.</i>		
Hydrocortisone, [1,2,6,7- ³ H(N)]-, (cortisol, [1,2,6,7- ³ H(N)]-) 70–100 Ci (2.59–3.7 TBq)/mmol 1 mCi/mL Packaged in ethanol. Shipped in dry ice. Store at -20 °C.	250 µCi (9.25 MBq) 1 mCi (37 MBq)	NET396250UC NET396001MC
Hydroxy-3-methylglutaryl coenzyme A, DL-3-[glutaryl-3- ¹⁴ C]- 40–60 mCi (1.48–2.22 GBq)/mmol 0.02 mCi/mL Packaged in an aqueous solution (pH ~5.0). Shipped in dry ice. Store at -20 °C.	10 µCi (370 kBq) 50 µCi (1.85 MBq)	NEC642010UC NEC642050UC
Hydroxycholecalciferol <i>See Hydroxyvitamin D₃.</i>		
Hydroxycholesterol, 25-[26,27- ³ H]- 75–87 Ci (2.78–3.22 TBq)/mmol 1 mCi/mL Packaged in ethanol. Shipped in dry ice. Store at -20 °C.	250 µCi (9.25 MBq)	NET674250UC
Hydroxytryptamine binoxalate, 5-[2- ¹⁴ C]-, (Serotonin binoxalate) 40–60 mCi (1.48–2.22 GBq)/mmol 0.1 mCi/mL Packaged in ethanol:water (2:98) under argon in a vial that protects contents from UV light. Shipped ambient. Store at 2–8 °C.	50 µCi (1.85 MBq) 250 µCi (9.25 MBq)	NEC225050UC NEC225250UC
Hydroxytryptamine creatinine sulfate, 5-[1,2- ³ H(N)]-, (Serotonin) 15–30 Ci (0.555–1.11 TBq)/mmol 1 mCi/mL Packaged in ethanol:water (2:98) under argon in a vial that protects contents from UV light. Shipped on blue ice. Store at 2–8 °C.	1 mCi (37 MBq) 5 mCi (185 MBq)	NET498001MC NET498005MC
Hydroxyvitamin D ₃ , 25-[26,27- ³ H]- 155–175 Ci (5.73–6.47 TBq)/mmol 0.01 mCi/mL Packaged in toluene under nitrogen in foil-wrapped ampoule that protects contents from UV light. Shipped in dry ice. Store at -20 °C.	5 µCi (185 kBq) 25 µCi (925 kBq) 50 µCi (1.85 MBq)	NET349005UC NET349025UC NET349050UC

Radiochemicals Product Listing

Hy–In

Product	Size	Product No.
Hypoxanthine monohydrochloride, [$^3\text{H}(\text{G})$]- 10–30 Ci (0.37–1.11 TBq)/mmol 1 mCi/mL Steri-packaged in an aqueous solution. Not for human use. Shipped ambient. Store at 2–8 °C.	1 mCi (37 MBq) 5 mCi (185 MBq)	NET177001MC NET177005MC
I309, [^{125}I]-, Bolton-Hunter labeled, (human, recombinant) 2200 Ci (81.4 TBq)/mmol Packaged lyophilized from sodium acetate buffer (pH 4.2) containing sucrose and BSA. Shipped ambient. Store at -20 °C (after reconstitution). Fresh upon request.	5 µCi (185 kBq) 25 µCi (925 kBq)	NEX364005UC NEX364025UC
Ifenprodil, [phenyl- ^3H]- 40–80 Ci (1.48–2.96 TBq)/mmol 1 mCi/mL Packaged in ethanol. Shipped in dry ice. Store at -20 °C.	25 µCi (925 kBq) 250 µCi (9.25 MBq)	NET1089025UC NET1089250UC
IL <i>See Interleukin.</i>		
Imipramine hydrochloride, [benzene ring- $^3\text{H}(\text{N})$]- 40–70 Ci (1.48–2.59 TBq)/mmol 1 mCi/mL Packaged in ethanol under nitrogen in a vial that protects contents from UV light. Shipped in dry ice. Store at -20 °C.	250 µCi (9.25 MBq)	NET576250UC
Indium-111 radionuclide 380–415 Ci (14.1–15.4 TBq)/mg Packaged as indium chloride in 0.05 M HCl. Steri-packaged; not for human use. Half life: 2.83 days Fresh lot: Every Friday.	2 mCi (74 MBq) 5 mCi (185 MBq) 10 mCi (370 MBq)	NEZ304002MC NEZ304005MC NEZ304010MC
Indomethacin, [^{14}C]- 20–40 mCi (0.74–1.48 GBq)/mmol 0.1 mCi/mL Packaged in ethanol. Shipped in dry ice. Store at -20 °C.	50 µCi (1.85 MBq)	NEC786050UC
Inositol <i>See Phosphatidylinositol 4,5-bisphosphate.</i>		
Inositol, myo-[1,2- $^3\text{H}(\text{N})$]- 45–80 Ci (1.66–2.96 TBq)/mmol 1 mCi/mL Steri-packaged in an aqueous solution. Not for human use. Shipped ambient. Store at 2–8 °C.	250 µCi (9.25 MBq) 1 mCi (37 MBq) 5 mCi (185 MBq)	NET906250UC NET906001MC NET906005MC
Inositol, myo-[2- $^3\text{H}(\text{N})$]- 10–25 Ci (370–925 GBq)/mmol 1 mCi/mL Steri-packaged in an aqueous solution. Not for human use. Shipped ambient. Store at 2–8 °C.	250 µCi (9.25 MBq) 1 mCi (37 MBq) 5 mCi (185 MBq)	NET114A250UC NET114A001MC NET114A005MC
Inositol, myo-[2- $^3\text{H}(\text{N})$]- 10–25 Ci (370–925 GBq)/mmol 1 mCi/mL Packaged in ethanol:water (9:1). Shipped ambient. Store at -20 °C.	250 µCi (9.25 MBq) 1 mCi (37 MBq) 5 mCi (185 MBq)	NET114250UC NET114001MC NET114005MC

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Product	Size	Product No.
Inositol-1,3,4,5-tetrakisphosphate, D-[inositol-1- ³ H(N)]-	2 µCi (74 kBq)	NET941002UC
15–30 Ci (0.555–1.11 TBq)/mmol	5 µCi (185 kBq)	NET941005UC
0.01 mCi/mL		
Packaged in a 50 mM ammonium phosphate buffer (pH 8.0) under nitrogen in a silanized vial.		
Shipped on blue ice. Store at 2–8 °C.		
Inositol-1,4,5-trisphosphate, D-[inositol-1- ³ H(N)]-	1 µCi (37 kBq)	NET911001UC
15–30 Ci (0.555–1.11 TBq)/mmol	5 µCi (185 kBq)	NET911005UC
0.01 mCi/mL		
Packaged in a 10 mM ammonium phosphate buffer (pH 8.0) under nitrogen in a silanized vial.		
Shipped on blue ice. Store at 2–8 °C.		
INSL-3, [¹²⁵ I]-	10 µCi (370 kBq)	NEX419010UC
75–214 µCi (2.78–7.92 MBq)/µg	25 µCi (925 kBq)	NEX419025UC
Packaged in 0.1% TFA and 0.4% BSA:46% 1-propanol and 54% acetonitrile (1:1).		
Shipped in dry ice. Store at -20 °C.		
Fresh lot: First Monday of each month.		
Insulin, [¹²⁵ I]-, (porcine)	10 µCi (370 kBq)	NEX104010UC
80–120 µCi (2.96–4.44 MBq)/µg	50 µCi (1.85 MBq)	NEX104050UC
Packaged lyophilized from sodium phosphate buffer containing glycine, BSA and Trasylol®.		
Shipped ambient. Store at 2–8 °C.		
Fresh lot: Second Monday of each month.		
Insulin (Tyr ^{A14}), [¹²⁵ I]-, receptor grade, (porcine)	10 µCi (370 kBq)	NEX196010UC
2200 Ci (81.4 TBq)/mmol	50 µCi (1.85 MBq)	NEX196050UC
Packaged in phosphate-buffered saline containing glycine, BSA and Trasylol®.		
Shipped in dry ice. Store at -20 °C.		
Fresh lot: Fourth Monday of each month.		
Insulin-like Growth Factor-I, [¹²⁵ I]-, ([¹²⁵ I]-IGF-I), (human, recombinant)	5 µCi (185 kBq)	NEX241005UC
1630–2800 Ci (60.3–103 TBq)/mmol	25 µCi (925 kBq)	NEX241025UC
Packaged lyophilized from phosphate-buffered saline (pH 5.2) containing glycine and BSA.		
Shipped ambient. Store at 2–8 °C.		
Fresh lot: Third Monday of each month.		
Interleukin-1β, [¹²⁵ I]-, ([¹²⁵ I]-IL-1β), (human, recombinant)	5 µCi (185 kBq)	NEX232005UC
80–180 µCi (2.96–6.66 MBq)/µg	10 µCi (370 kBq)	NEX232010UC
Packaged in phosphate-buffered saline containing gelatin and 10% glycerin.	25 µCi (925 kBq)	NEX232025UC
Shipped in dry ice. Store at -20 °C.		
Fresh lot: First Monday of each month.		
Interleukin-2, [¹²⁵ I]-, ([¹²⁵ I]-IL-2), (human, recombinant)	5 µCi (185 kBq)	NEX229005UC
20–50 µCi (0.74–1.85 MBq)/µg	10 µCi (370 kBq)	NEX229010UC
Packaged in acetonitrile:2-propanol:water (40:2:58) containing sodium perchlorate, calcium chloride, TFA and BSA.	25 µCi (925 kBq)	NEX229025UC
Shipped in dry ice. Store at -20 °C.		
Fresh lot: Second Monday of each month.		
Interleukin-6, [¹²⁵ I]-, ([¹²⁵ I]-IL-6), (human, recombinant)	5 µCi (185 kBq)	NEX269005UC
68–160 µCi (2.51–5.92 MBq)/µg	25 µCi (925 kBq)	NEX269025UC
Packaged in sodium phosphate buffer (pH 6.8) containing sucrose, BSA and a stabilizer.		
Shipped in dry ice. Store at -20 °C.		
Fresh lot: Third Monday of each month.		
Interleukin-8, [¹²⁵ I]-, ([¹²⁵ I]-IL-8), (human, recombinant)	5 µCi (185 kBq)	NEX277005UC
2200 Ci (81.4 TBq)/mmol	25 µCi (925 kBq)	NEX277025UC
Packaged lyophilized from sodium acetate buffer (pH 4.2) containing sucrose and BSA.	100 µCi (3.7 MBq)	NEX277100UC
Shipped ambient. Store at 2–8 °C.		
Fresh lot: Third Monday of each month.		

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Radiochemicals Product Listing

In-Io

Product	Size	Product No.
Inulin, carboxyl-, [carboxyl- ¹⁴ C]-	50 µCi (1.85 MBq)	NEC164A050UC
1–3 mCi (37–111 MBq)/g	250 µCi (9.25 MBq)	NEC164A250UC
Packaged as a crystalline solid in a screw-cap bottle.	1 mCi (37 MBq)	NEC164A001MC
Shipped ambient. Store at -20 °C.		
Inulin, methoxy-, [methoxy- ³ H]-	250 µCi (9.25 MBq)	NET086L250UC
100–500 mCi (3.7–18.5 GBq)/g	1 mCi (37 MBq)	NET086L001MC
Packaged as a crystalline solid in a screw-cap bottle.	5 mCi (185 MBq)	NET086L005MC
Shipped ambient. Store at -80 °C.		
Iodine-125 radionuclide	1 mCi (37 MBq)	NEZ033001MC
~17 Ci (629 GBq)/mg	2 mCi (74 MBq)	NEZ033002MC
>350 mCi/mL	5 mCi (185 MBq)	NEZ033005MC
Packaged in 0.1 M NaOH (pH 12–14), reductant free.	10 mCi (370 MBq)	NEZ033010MC
Shipped ambient. Store ambient.	20 mCi (740 MBq)	NEZ033020MC
Half life: 60.14 days	25 mCi (925 MBq)	NEZ033025MC
Fresh lot: Wednesday of every other week.		
Iodine-125 radionuclide	1 mCi (37 MBq)	NEZ033A001MC
~17 Ci (629 GBq)/mg	2 mCi (74 MBq)	NEZ033A002MC
100 mCi/mL	5 mCi (185 MBq)	NEZ033A005MC
Packaged in 10 ⁻⁵ M NaOH (pH 8–11), reductant free.	10 mCi (370 MBq)	NEZ033A010MC
Shipped ambient. Store ambient.	20 mCi (740 MBq)	NEZ033A020MC
Half life: 60.14 days	25 mCi (925 MBq)	NEZ033A025MC
Fresh lot: Wednesday of every other week.		
Iodine-125 radionuclide	1 mCi (37 MBq)	NEZ033H001MC
~17 Ci (629 GBq)/mg	2 mCi (74 MBq)	NEZ033H002MC
>350 mCi/mL	5 mCi (185 MBq)	NEZ033H005MC
Packaged in 0.1 M NaOH (pH 12–14), reductant free.	10 mCi (370 MBq)	NEZ033H010MC
Shipped ambient. Store ambient.	20 mCi (740 MBq)	NEZ033H020MC
Half life: 60.14 days	25 mCi (925 MBq)	NEZ033H025MC
Fresh lot: Wednesday of every other week.		
Iodine-125 radionuclide	1 mCi (37 MBq)	NEZ033L001MC
~17 Ci (629 GBq)/mg	2 mCi (74 MBq)	NEZ033L002MC
>350 mCi/mL	5 mCi (185 MBq)	NEZ033L005MC
Packaged in 10 ⁻⁵ M NaOH (pH 8–11), reductant free.	10 mCi (370 MBq)	NEZ033L010MC
Shipped ambient. Store ambient.	20 mCi (740 MBq)	NEZ033L020MC
Half life: 60.14 days	25 mCi (925 MBq)	NEZ033L025MC
Fresh lot: Wednesday of every other week.		
Iodine-131 radionuclide	2 mCi (74 MBq)	NEZ035A002MC
>5 Ci (185 GBq)/mg	5 mCi (185 MBq)	NEZ035A005MC
Packaged in 0.1 M NaOH (pH 12–14).	10 mCi (370 MBq)	NEZ035A010MC
Shipped ambient. Store ambient.	25 mCi (925 MBq)	NEZ035A025MC
Half life: 8.04 days		
Fresh lot: Every Monday.		
Iodine-131 radionuclide	100 µCi (3.7 MBq)	NEZ035D100UC
>5 Ci (185 GBq)/mg	500 µCi (18.5 MBq)	NEZ035D500UC
Packaged in 0.1 M NaOH (pH 12–14).	1 mCi (37 MBq)	NEZ035D001MC
Shipped ambient. Store ambient.		
Half life: 8.04 days		
Fresh lot: Every Monday.		

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Product	Size	Product No.
Iodine-131 radionuclide	2 mCi (74 MBq)	NEZ035H002MC
>5 Ci (185 GBq)/mg	5 mCi (185 MBq)	NEZ035H005MC
>500 mCi/mL	10 mCi (370 MBq)	NEZ035H010MC
Packaged in 0.1 M NaOH (pH 12–14).	25 mCi (925 MBq)	NEZ035H025MC
Shipped ambient. Store ambient.		
Half life: 8.04 days		
Fresh lot: Every Monday		
Iodoantipyrine, 4-[N-methyl- ¹⁴ C]-	50 µCi (1.85 MBq)	NEC712050UC
40–60 mCi (1.48–2.22 GBq)/mmol	250 µCi (9.25 MBq)	NEC712250UC
0.1 mCi/mL	1 mCi (37 MBq)	NEC712001MC
Packaged in ethanol in a vial that protects contents from UV light.		
Shipped ambient. Store at -20 °C.		
Iodoarylazidoprazosin		
<i>See Prazosin.</i>		
Iodoclonidine, p-[¹²⁵ I]-, (2-[(2,6,-dichloro-4-[¹²⁵ I]iodophenyl)imino]imidazolidine)	100 µCi (3.7 MBq)	NEX253100UC
2200 Ci (81.4 TBq)/mmol	500 µCi (18.5 MBq)	NEX253500UC
Packaged in ethanol.		
Shipped ambient. Store at 2–8 °C.		
Fresh lot: Fourth Monday of each month.		
Iodocyanopindolol		
<i>See Cyanopindolol, iodo.</i>		
Iododeoxycytidine		
<i>See Deoxycytidine.</i>		
Iodo-MK-801		
<i>See MK-801.</i>		
Iodopindolol		
<i>See Pindolol.</i>		
2' Iodosipiperone		
<i>See 2'-Sipiperone.</i>		
IP ₃		
<i>See Phosphatidylinositol 4,5-bisphosphate.</i>		
IP-10, [¹²⁵ I]-, Bolton-Hunter labeled, (human, recombinant)	5 µCi (185 kBq)	NEX348005UC
2200 Ci (81.4 TBq)/mmol	25 µCi (925 kBq)	NEX348025UC
Packaged in sodium acetate buffer (pH 4.2) containing sucrose and BSA.		
Shipped in dry ice. Store at -20 °C.		
Fresh lot: Third Monday of each month.		
Irazapine		
<i>See PN 200-110.</i>		
Iron-55 radionuclide	1 mCi (37 MBq)	NEZ043001MC
>3 Ci (111 GBq)/g	2 mCi (74 MBq)	NEZ043002MC
Packaged as ferric chloride in 0.5 M HCl.	5 mCi (185 MBq)	NEZ043005MC
Shipped ambient. Store ambient.	10 mCi (370 MBq)	NEZ043010MC
Half life: 2.7 years		
Iron-59 radionuclide	500 µCi (18.5 MBq)	NEZ037500UC
>5 Ci (185 GBq)/g	1 mCi (37 MBq)	NEZ037001MC
Packaged as ferric chloride in 0.5 M HCl.	2 mCi (74 MBq)	NEZ037002MC
Shipped ambient. Store ambient.	5 mCi (185 MBq)	NEZ037005MC
Half life: 44.6 days		

Radiochemicals Product Listing

Ir–Ke

Product	Size	Product No.
Iron-59 radionuclide	1 mCi (37 MBq)	NEZ049001MC
>5 Ci (185 GBq)/g	2 mCi (74 MBq)	NEZ049002MC
1 mCi/mL	5 mCi (185 MBq)	NEZ049005MC
Steri-packaged as ferrous sulfate in 0.05 M H ₂ SO ₄ . Not for human use.		
Shipped ambient. Store ambient.		
Half life: 44.6 days		
Isopentenyl pyrophosphate, triammonium salt, [4- ¹⁴ C]-	10 µCi (370 kBq)	NEC773010UC
40–60 mCi (1.48–2.22 GBq)/mmol	50 µCi (1.85 MBq)	NEC773050UC
0.02 mCi/mL		
Packaged in ethanol:0.15 N ammonium hydroxide (1:1) under nitrogen.		
Shipped in dry ice. Store at -20 °C.		
I-TAC, [¹²⁵ I]-, (human, recombinant)	10 µCi (370 kBq)	NEX376010UC
80–270 µCi (2.96–9.99 MBq)/µg	25 µCi (925 kBq)	NEX376025UC
Packaged in 50 mM sodium acetate, 50 mM acetylmethionine, 5% sucrose and 0.25% BSA (pH 4.0).		
Shipped in dry ice. Store at -20 °C.		
Fresh lot: Third Monday of each month.		
JE, [¹²⁵ I]-, Bolton-Hunter labeled, (MCP-1, murine, recombinant)	5 µCi (185 kBq)	NEX313005UC
2200 Ci (81.4 TBq)/mmol	25 µCi (925 kBq)	NEX313025UC
Packaged in sodium acetate (pH 4.2) containing sucrose and BSA.		
Shipped in dry ice. Store at -20 °C.		
Fresh lot: Fourth Monday of each month.		
Juvenile Hormone III, [10- ³ H(N)]-	50 µCi (1.85 MBq)	NET586050UC
10–20 Ci (370–740 GBq)/mmol		
0.1 mCi/mL		
Packaged in toluene:hexane (4:1) in a sealed silanized ampoule.		
Shipped in dry ice. Store at -20 °C.		
Kainic acid, [vinylidene- ³ H]-	25 µCi (925 kBq)	NET875025UC
30–60 Ci (1.11–2.22 TBq)/mmol	250 µCi (9.25 MBq)	NET875250UC
1 mCi/mL	1 mCi (37 MBq)	NET875001MC
Packaged in ethanol:water (2:98) under argon in a vial that protects contents from UV light.		
Shipped in blue ice. Store at 2–8 °C.		
Kallidin (Des, Arg ¹⁰), [3,4-prolyl-3,4- ³ H(N)]-	50 µCi (1.85 MBq)	NET1064050UC
60–120 Ci (2.22–4.44 TBq)/mmol	250 µCi (9.25 MBq)	NET1064250UC
1 mCi/mL		
Packaged in 0.1 N acetic acid:ethanol (1:1) under nitrogen.		
Shipped in dry ice. Store at -20 °C.		
Kallidin (Des, Arg ¹⁰ , Leu ⁹), [3,4-prolyl-3,4- ³ H(N)]-	25 µCi (925 kBq)	NET1096025UC
50–120 Ci (1.85–4.44 TBq)/mmol	50 µCi (1.85 MBq)	NET1096050UC
1 mCi/mL	250 µCi (9.25 MBq)	NET1096250UC
Packaged in 0.1 N acetic acid:ethanol (8:2) in a silanized vial.		
Shipped in dry ice. Store at 2–8 °C.		
Ketanserin hydrochloride, [ethylene- ³ H]-, (R41 468)	25 µCi (925 kBq)	NET791025UC
60–90 Ci (2.22–3.33 TBq)/mmol	250 µCi (9.25 MBq)	NET791250UC
1 mCi/mL	1 mCi (37 MBq)	NET791001MC
Packaged in ethanol under nitrogen in a vial that protects contents from UV light.		
Shipped in dry ice. Store at -20 °C.		

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Product	Size	Product No.
Ketoglutaric acid, sodium salt, α -[^{14}C]- 40–60 mCi (1.48–2.22 GBq)/mmol 0.1 mCi/mL Packaged in ethanol:water (2:8). Shipped in dry ice. Store at $-20\text{ }^{\circ}\text{C}$.	50 μCi (1.85 MBq)	NEC597050UC
Lactic acid, sodium salt, L-[^{14}C (U)]- >100 mCi (3.7 GBq)/mmol 0.1 mCi/mL Packaged in ethanol:water (7:3). Shipped ambient. Store at $-20\text{ }^{\circ}\text{C}$.	50 μCi (1.85 MBq) 250 μCi (9.25 MBq)	NEC599050UC NEC599250UC
L-Amino acid mixture, [^{14}C (U)]- 0.1 mCi/mL Steri-packaged in ethanol:water (2:98). Not for human use. Shipped ambient. Store at $2\text{--}8\text{ }^{\circ}\text{C}$.	50 μCi (1.85 MBq) 250 μCi (9.25 MBq) 1 mCi (37 MBq)	NEC445E050UC NEC445E250UC NEC445E001MC
LD78 <i>See MIP-1.</i>		
Leptin, [^{125}I]-, (human, recombinant) 2200 Ci (81.4 TBq)/mmol Packaged in 1-propanol:0.1% TFA:acetonitrile (23:50:27) containing BSA. Shipped in dry ice. Store at $-20\text{ }^{\circ}\text{C}$. Fresh lot: Third Monday of each month.	5 μCi (185 kBq) 25 μCi (925 kBq)	NEX347005UC NEX347025UC
Leptin, [^{125}I]-, (murine, recombinant) 2200 Ci (81.4 TBq)/mmol Packaged in 1-propanol:0.1% TFA: acetonitrile (23:50:27) containing BSA. Shipped in dry ice. Store at $-20\text{ }^{\circ}\text{C}$. Fresh lot: Second Monday of each month.	5 μCi (185 kBq) 25 μCi (925 kBq)	NEX340005UC NEX340025UC
Leucine, L-[^{14}C (U)]- >300 mCi (11.1 GBq)/mmol 0.1 mCi/mL Steri-packaged in ethanol:water (2:98). Not for human use. Shipped ambient. Store at $2\text{--}8\text{ }^{\circ}\text{C}$.	50 μCi (1.85 MBq) 250 μCi (9.25 MBq) 1 mCi (37 MBq)	NEC279E050UC NEC279E250UC NEC279E001MC
Leucine, L-[3,4,5- ^3H (N)]- 100–150 Ci (3.7–5.56 TBq)/mmol 1 mCi/mL Steri-packaged in ethanol:water (2:98). Not for human use. Shipped ambient. Store at $2\text{--}8\text{ }^{\circ}\text{C}$.	250 μCi (9.25 MBq) 1 mCi (37 MBq) 5 mCi (185 MBq)	NET460250UC NET460001MC NET460005MC
Leucine, L-[3,4,5- ^3H (N)]- 100–150 Ci (3.7–5.56 TBq)/mmol 5 mCi/mL Steri-packaged in an aqueous solution. Not for human use. Shipped ambient. Store at $2\text{--}8\text{ }^{\circ}\text{C}$.	1 mCi (37 MBq) 5 mCi (185 MBq)	NET460A001MC NET460A005MC
Leucine, L-[4,5- ^3H (N)]- 40–60 Ci (1.48–2.22 TBq)/mmol 1 mCi/mL Steri-packaged in ethanol:water (2:98). Not for human use. Shipped ambient. Store at $2\text{--}8\text{ }^{\circ}\text{C}$.	250 μCi (9.25 MBq) 1 mCi (37 MBq) 5 mCi (185 MBq)	NET135H250UC NET135H001MC NET135H005MC
Leukotriene B ₄ , [5,6,8,9,11,12,14,15- ^3H (N)]- 120–240 Ci (4.44–8.88 TBq)/mmol 0.01 mCi/mL Packaged in ethanol under argon in a silanized vial. Shipped in dry ice. Store at $-80\text{ }^{\circ}\text{C}$.	5 μCi (185 kBq) 25 μCi (925 kBq)	NET852005UC NET852025UC

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Radiochemicals Product Listing

Le–Lu

Product	Size	Product No.
Leukotriene C ₄ , [14,15,19,20- ³ H(N)]-	5 µCi (185 kBq)	NET1018005UC
100–240 Ci (3.7–8.88 TBq)/mmol	25 µCi (925 kBq)	NET1018025UC
0.01 mCi/mL		
Packaged in methanol:water:acetic acid (65:35:0.1) (pH 6.8) with BHT under argon.		
Shipped in dry ice. Store at -80 °C.		
Leukotriene D ₄ , [14,15,19,20- ³ H(N)]-	5 µCi (185 kBq)	NET1019005UC
100–240 Ci (3.7–8.88 TBq)/mmol	25 µCi (925 kBq)	NET1019025UC
0.01 mCi/mL		
Packaged in methanol:water:acetic acid (65:35:0.1) (pH 6.8) with BHT under argon.		
Shipped in dry ice. Store at -80 °C.		
Linoleic acid, [1- ¹⁴ C]-	50 µCi (1.85 MBq)	NEC501050UC
40–60 mCi (1.48–2.22 GBq)/mmol	250 µCi (9.25 MBq)	NEC501250UC
0.1 mCi/mL		
Packaged in ethanol under argon in a silanized vial.		
Shipped in dry ice. Store at -20 °C.		
Linolenic acid, 9,12,15-[1- ¹⁴ C]-	50 µCi (1.85 MBq)	NEC779050UC
40–60 mCi (1.48–2.22 GBq)/mmol		
0.1 mCi/mL		
Packaged in ethanol under argon in a silanized vial.		
Shipped in dry ice. Store at -20 °C.		
LPA		
<i>See Lysophosphatidic acid.</i>		
LSD		
<i>See Lysergic acid diethylamide.</i>		
LTB ₄		
<i>See Leukotriene B₄.</i>		
LTC ₄		
<i>See Leukotriene C₄.</i>		
LTD ₄		
<i>See Leukotriene D₄.</i>		
Luteinizing Hormone Releasing Hormone (D-Trp ⁶), [¹²⁵ I]-, ([¹²⁵ I]-LH-RH)	10 µCi (370 kBq)	NEX365010UC
2200 Ci (81.4 TBq)/mmol	50 µCi (1.85 MBq)	NEX365050UC
Packaged lyophilized from 50 mM sodium phosphate, 0.2 M NaCl, 1 M glycine and stabilizers.		
Shipped ambient. Store at -20 °C (after reconstitution).		
Fresh lot: Second Monday of each month.		
Luteinizing Hormone Releasing Hormone (Tyr ⁵), [¹²⁵ I]-, ([¹²⁵ I]-LH-RH)	10 µCi (370 kBq)	NEX163010UC
2200 Ci (81.4 TBq)/mmol	50 µCi (1.85 MBq)	NEX163050UC
Packaged lyophilized from phosphate-buffered saline (pH 7.4) containing BSA, glycine and Trasylol®.		
Shipped ambient. Store at 2–8 °C.		
Fresh lot: Second Monday of each month.		
Lutetium-177 radionuclide	Custom filled	NEZ307C000MC
~20 Ci (740 GBq)/µg		
>775 mCi/mL		
Packaged as lutetium chloride in 0.05 M HCl.		
Shipped ambient. Store ambient.		
Half life: 6.71 days		
Fresh lot: Every week; Tuesday calibration day.		

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Product	Size	Product No.
Lutetium-177 radionuclide ~20 Ci (740 GBq)/μg >850 mCi/mL Packaged as lutetium chloride in 0.05 M HCl. Shipped ambient. Store ambient. Half life: 6.71 days Fresh lot: Every week; Monday calibration day.	Custom filled	NEZ307B000MC
Lutetium-177 radionuclide ~20 Ci (740 GBq)/μg >1100 mCi/mL Packaged as lutetium chloride in 0.05 M HCl. Shipped ambient. Store ambient. Half life: 6.71 days Fresh lot: Every week; Friday calibration day.	Custom filled	NEZ307A000MC
Lutetium-177 radionuclide ~20 Ci (740 GBq)/μg >1300 mCi/mL Packaged as lutetium chloride in 0.05 M HCl. Shipped ambient. Store ambient. Half life: 6.71 days Fresh lot: Every week; Thursday calibration day.	Custom filled	NEZ307000MC
LY 171555 <i>See Quinpirole.</i>		
LY 94939 <i>See Nisoxetine.</i>		
Lysergic acid diethylamide, [N-methyl- ³ H]- 60–87 Ci (2.22–3.22 TBq)/mmol 1 mCi/mL Packaged in ethanol under argon in a vial that protects contents from UV light. Shipped in dry ice. Store at -80 °C.	250 μCi (9.25 MBq)	NET638250UC
(+)-Lysergic acid diethylamide, 2-[¹²⁵ I]iodo-, ([¹²⁵ I]-LSD) 2200 Ci (81.4 TBq)/mmol Packaged in ethanol in a vial that protects contents from UV light. Shipped in dry ice. Store at -20 °C. Fresh lot: Fourth Monday of each month.	10 μCi (370 kBq) 50 μCi (1.85 MBq) 250 μCi (9.25 MBq)	NEX199010UC NEX199050UC NEX199250UC
Lysine, L-[¹⁴ C(U)]- >300 mCi (11.1 GBq)/mmol 0.1 mCi/mL Steri-packaged in ethanol:water (2:98). Not for human use. Shipped ambient. Store at 2–8 °C.	50 μCi (1.85 MBq) 250 μCi (9.25 MBq) 1 mCi (37 MBq)	NEC280E050UC NEC280E250UC NEC280E001MC
Lysine, L-[4,5- ³ H(N)]- 80–110 Ci (2.96–4.07 TBq)/mmol 1 mCi/mL Steri-packaged in ethanol:water (2:98). Not for human use. Shipped ambient. Store at 2–8 °C.	250 μCi (9.25 MBq) 1 mCi (37 MBq) 5 mCi (185 MBq)	NET376250UC NET376001MC NET376005MC
Lysopalmitoyl phosphatidylcholine, L-1-[palmitoyl-1- ¹⁴ C]- 40–60 mCi (1.48–2.22 GBq)/mmol 0.05 mCi/mL Packaged in toluene:ethanol (1:1) in a silanized vial. Shipped in dry ice. Store at -20 °C.	10 μCi (370 kBq) 50 μCi (1.85 MBq)	NEC683010UC NEC683050UC

Radiochemicals Product Listing

Ly-Me

Product	Size	Product No.
Lysophosphatidic acid, 1-oleoyl-[oleoyl-9,10- ³ H]-	50 µCi (1.85 MBq)	NET1100050UC
30–60 Ci (1.11–2.22 TBq)/mmol	250 µCi (9.25 MBq)	NET1100250UC
0.1 mCi/mL		
Packaged in hexane:isopropanol:water:acetic acid (3:6:1:0.01) (v/v) in a silanized vial.		
Shipped in dry ice. Store at -20 °C.		
Macrophage Inflammatory Protein		
<i>See MIP-1.</i>		
Malonyl coenzyme A, [malonyl-2- ¹⁴ C]-	5 µCi (185 kBq)	NEC612005UC
40–60 mCi (1.48–2.22 GBq)/mmol	25 µCi (925 kBq)	NEC612025UC
0.01 mCi/mL		
Packaged in aqueous HCl solution (pH ~3.5) under argon.		
Shipped in dry ice. Store at -80 °C.		
Manganese-54 radionuclide	200 µCi (7.4 MBq)	NEZ040200UC
>20 Ci (74 GBq)/g	500 µCi (18.5 MBq)	NEZ040500UC
Packaged in 0.5 M HCl.	1 mCi (37 MBq)	NEZ040001MC
Shipped ambient. Store ambient.	2 mCi (74 MBq)	NEZ040002MC
Half life: 313 days		
Manning's Compound		
<i>See Vasopressin V_{1A} antagonist.</i>		
Mannitol, D-[1- ¹⁴ C]-	50 µCi (1.85 MBq)	NEC314050UC
45–60 mCi (1.66–2.22 GBq)/mmol	250 µCi (9.25 MBq)	NEC314250UC
0.1 mCi/mL		
Packaged in ethanol:water (9:1).		
Shipped ambient. Store at 2–8 °C.		
Mannitol, D-[1- ³ H(N)]-	250 µCi (9.25 MBq)	NET101250UC
10–30 Ci (0.37–1.11 TBq)/mmol	1 mCi (37 MBq)	NET101001MC
1 mCi/mL	5 mCi (185 MBq)	NET101005MC
Packaged in ethanol:water (9:1).		
Shipped ambient. Store at -20 °C.		
Mannose, D-[2- ³ H(N)]-	1 mCi (37 MBq)	NET570A001MC
15–30 Ci (0.555–1.11 TBq)/mmol	5 mCi (185 MBq)	NET570A005MC
1 mCi/mL		
Steri-packaged in an aqueous solution. Not for human use.		
Shipped ambient. Store at 2–8 °C.		
Mazindol, [4- ³ H]-	250 µCi (9.25 MBq)	NET816250UC
15–30 Ci (0.555–1.11 TBq)/mmol		
1 mCi/mL		
Packaged in ethanol.		
Shipped in dry ice. Store at -20 °C.		
MCH		
<i>See Melanin Concentrating Hormone.</i>		
MCP-1		
<i>See Monocyte Chemoattractant Protein.</i>		
MeATP, α,β-		
<i>See α,β-Methylene-ATP.</i>		
Melanin Concentrating Hormone, [¹²⁵ I]-, ([¹²⁵ I]-MCH), (human)	10 µCi (370 kBq)	NEX373010UC
2200 Ci (81.4 TBq)/mmol	50 µCi (1.85 MBq)	NEX373050UC
Packaged in 0.17 M acetic acid with 0.2% BSA:acetonitrile (90:10) and a stabilizer in a silanized vial.		
Shipped in dry ice. Store at -80 °C.		
Fresh lot: Fourth Monday of each month.		

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Product	Size	Product No.
Melanin Concentrating Hormone (Phe ¹³ , Tyr ¹⁹), [¹²⁵ I]-, (Phe ¹³ [¹²⁵ I]Tyr ¹⁹ -MCH), (human, mouse, rat) 2200 Ci (81.4 TBq)/mmol Packaged in water:acetonitrile (90:10) with trace acetic acid, BSA and a stabilizer. Shipped in dry ice. Store at -80 °C. Fresh lot: Fourth Monday of each month.	10 µCi (370 kBq) 50 µCi (1.85 MBq)	NEX375010UC NEX375050UC
Melanin Concentrating Hormone-1 Receptor antagonist, [¹²⁵ I]-, ([¹²⁵ I]-hMCH-1R), (human) 2200 Ci (81.4 TBq)/mmol Packaged in 0.17 M acetic acid, 0.1 M N-acetyl-methionine and 0.2% BSA:acetonitrile (9:1). Shipped in dry ice. Store at -20 °C. Fresh upon request.	10 µCi (370 kBq) 25 µCi (925 kBq)	NEX406010UC NEX406025UC
Melatonin, 2-[¹²⁵ I]iodo- 2200 Ci (81.4 TBq)/mmol Packaged in ethanol in a vial that protects contents from UV light. Shipped ambient. Store at 2–8 °C. Fresh lot: Second Monday of odd months.	50 µCi (1.85 MBq) 100 µCi (3.7 MBq) 250 µCi (9.25 MBq)	NEX236050UC NEX236100UC NEX236250UC
Metastin, [¹²⁵ I]-, (45–54) 2200 Ci (81.4 TBq)/mmol Packaged in 50 mM sodium acetate (pH 4.0), 50 mM N-acetylmethionine with 5% sucrose and 2.5% BSA. Shipped in dry ice. Store at -20 °C. Fresh lot: First Monday of each month.	10 µCi (370 kBq) 25 µCi (925 kBq)	NEX395010UC NEX395025UC
Methionine <i>See also EXPRE³⁵S³⁵S.</i>		
Methionine, L-[³⁵ S]-, cell labeling grade >600 Ci (22.2 TBq)/mmol 31.5 mCi/mL Packaged in 10 mM 2-mercaptoethanol. Shipped in dry ice. Store at -20°C or below.	5 mCi (185 MBq) 10 mCi (370 MBq)	NEG009L005MC NEG009L010MC
Methionine, L-[³⁵ S]- >800 Ci (29.6 TBq)/mmol 11 mCi/mL Packaged in 10 mM 2-mercaptoethanol. Shipped in dry ice. Store at -20°C or below.	1 mCi (37 MBq) 5 mCi (185 MBq)	NEG009H001MC NEG009H005MC
Methionine, L-[³⁵ S]-, (EasyTag) >1000 Ci (37 TBq)/mmol 10.2 mCi/mL Packaged in a stabilized aqueous solution with blue dye. Shipped ambient. Store at 2–8 °C or below.	500 µCi (18.5 MBq) 1 mCi (37 MBq) 5 mCi (185 MBq)	NEG709A500UC NEG709A001MC NEG709A005MC
Methionine, L-[³⁵ S]- >1000 Ci (37 TBq)/mmol 10.2 mCi/mL Packaged in 50 mM tricine and 10 mM 2-mercaptoethanol. Shipped on dry ice. Store at -20°C or below.	500 µCi (18.5 MBq) 1 mCi (37 MBq) 5 mCi (185 MBq)	NEG009A500UC NEG009A001MC NEG009A005MC
Methionine, L-[³⁵ S]- >1000 Ci (37 TBq)/mmol 43.3 mCi/mL Packaged in 50 mM tricine and 10 mM 2-mercaptoethanol. Shipped on dry ice. Store at -20°C or below.	5 mCi (185 MBq) 10 mCi (370 MBq)	NEG009C005MC NEG009C010MC

Radiochemicals Product Listing

Me—Me

Product	Size	Product No.
Methionine, L-[³⁵ S]-	1 mCi (37 MBq)	NEG009T001MC
>1000 Ci (37 TBq)/mmol	5 mCi (185 MBq)	NEG009T005MC
11 mCi/mL		
Packaged in 10 mM 2-mercaptoethanol.		
Shipped in dry ice. Store at -20°C or below.		
Methionine, L-[methyl- ³ H]-	250 µCi (9.25 MBq)	NET061X250UC
70–85 Ci (2.59–3.15 TBq)/mmol	1 mCi (37 MBq)	NET061X001MC
1 mCi/mL	5 mCi (185 MBq)	NET061X005MC
Packaged in 50 mM tricine buffer (pH 7.4) containing 10 mM 2-mercaptoethanol under argon.		
Shipped in dry ice. Store at -80 °C.		
α,β-Methylene-ATP, tetrasodium salt, [2,8- ³ H]-	25 µCi (925 kBq)	NET1068025UC
15–35 Ci (0.555–1.29 TBq)/mmol	250 µCi (9.25 MBq)	NET1068250UC
1 mCi/mL		
Packaged in ethanol:water (1:1) in a silanized vial.		
Shipped in dry ice. Store at -20 °C.		
Methyl iodide, [¹⁴ C]-	2 mCi (74 MBq)	NEC068H002MC
40–60 mCi (1.48–2.22 GBq)/mmol		
Packaged as a liquid in a breakseal tube, sealed under vacuum.		
Shipped ambient. Store at 2–8 °C.		
Methyl α-D-glucopyranoside, [glucose- ¹⁴ C(U)]-	50 µCi (1.85 MBq)	NEC659050UC
250–350 mCi (9.25–12.9 GBq)/mmol	250 µCi (9.25 MBq)	NEC659250UC
0.1 mCi/mL		
Packaged in ethanol:water (9:1).		
Shipped ambient. Store at -20 °C.		
Methyl-4-phenylpyridinium acetate, [N-methyl- ³ H]-, (MPP (+))	50 µCi (1.85 MBq)	NET914050UC
70–87 Ci (2.59–3.22 TBq)/mmol	250 µCi (9.25 MBq)	NET914250UC
1 mCi/mL		
Packaged in ethanol in a silanized vial.		
Shipped in dry ice. Store at -20 °C.		
Methylaminoisobutyric acid, α-[1- ¹⁴ C]-	50 µCi (1.85 MBq)	NEC671050UC
40–60 mCi (1.48–2.22 GBq)/mmol	250 µCi (9.25 MBq)	NEC671250UC
0.1 mCi/mL		
Packaged in 0.01 N HCl in a silanized vial.		
Shipped ambient. Store at 2–8 °C.		
Methyl-D-glucose, 3-O-[methyl- ¹⁴ C]-	50 µCi (1.85 MBq)	NEC377050UC
30–60 mCi (1.11–2.22 GBq)/mmol	250 µCi (9.25 MBq)	NEC377250UC
0.1 mCi/mL		
Packaged in ethanol:water (9:1).		
Shipped ambient. Store at -20 °C.		
Methylene Adenosine 5'-triphosphate, α,β		
See α,β-Methylene-ATP.		
Methylhistamine dihydrochloride, N-α-[methyl- ³ H]-	25 µCi (925 kBq)	NET1027025UC
45–90 Ci (1.66–3.33 TBq)/mmol	250 µCi (9.25 MBq)	NET1027250UC
1 mCi/mL		
Packaged in ethanol:0.01 N HCl (70:30) under nitrogen in a silanized vial.		
Shipped in dry ice. Store at -20 °C.		
Methylspiperone, [N-methyl- ³ H]-	250 µCi (9.25 MBq)	NET856250UC
60–90 Ci (2.22–3.33 TBq)/mmol		
1 mCi/mL		
Packaged in ethanol under argon in a vial that protects contents from UV light.		
Shipped in dry ice. Store at -80 °C.		

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Product	Size	Product No.
Methyltrienolone (R1881)	5 mg	NLP005005MG
Solid	20 mg	NLP005020MG
Shipped ambient. Store at -20 °C.		
Methyltrienolone, [17 α -methyl- ³ H]-, (R1881)	250 μ Ci (9.25 MBq)	NET590250UC
70–87 Ci (2.59–3.22 TBq)/mmol	1 mCi (37 MBq)	NET590001MC
1 mCi/mL		
Packaged in ethanol under argon in a vial that protects contents from UV light.		
Shipped in dry ice. Store at -20 °C.		
Metribolone		
<i>See Methyltrienolone.</i>		
Mevalonolactone, RS-[2- ¹⁴ C]-	50 μ Ci (1.85 MBq)	NEC679050UC
40–60 mCi (1.48–2.22 GBq)/mmol	250 μ Ci (9.25 MBq)	NEC679250UC
0.1 mCi/mL		
Packaged under ethanol in a silanized vial.		
Shipped on blue ice. Store at -20 °C.		
Mevalonolactone, RS-[5- ³ H]-	250 μ Ci (9.25 MBq)	NET602250UC
20–40 Ci (0.74–1.48 TBq)/mmol	1 mCi (37 MBq)	NET602001MC
1 mCi/mL	5 mCi (185 MBq)	NET602005MC
Packaged under ethanol in a silanized vial.		
Shipped in dry ice. Store at -20 °C.		
MGSA		
<i>See GRO alpha/MGSA.</i>		
Mibolerone	5 mg	NLP024005MG
Solid		
<i>Available only with purchase of NET919.</i>		
Mibolerone, [17 α -methyl- ³ H]-	250 μ Ci (9.25 MBq)	NET919250UC
70–87 Ci (2.59–3.22 TBq)/mmol	1 mCi (37 MBq)	NET919001MC
1 mCi/mL		
Packaged in ethanol.		
Shipped in dry ice. Store at -20 °C.		
Microspheres, non-radioactive, 10 μ	500 mg	NEM001500MG
Packaged in normal saline, 10% dextran or 20% dextran; with or without 0.01% Tween-80®.	1 g	NEM001001G
Shipped ambient. Store at 2–8 °C.		
Microspheres, non-radioactive, 15 μ	500 mg	NEM002500MG
Packaged in normal saline, 10% dextran or 20% dextran; with or without 0.01% Tween-80®.	1 g	NEM002001G
Shipped ambient. Store at 2–8 °C.		
Microspheres, non-radioactive, 50 μ	500 mg	NEM005500MG
Packaged in normal saline, 10% dextran or 20% dextran; with or without 0.01% Tween-80®.	1 g	NEM005001G
Shipped ambient. Store at 2–8 °C.		
MIP-3 β , [¹²⁵ I]-, (human, recombinant)	10 μ Ci (370 kBq)	NEX370010UC
2200 Ci (81.4 TBq)/mmol	25 μ Ci (925 kBq)	NEX370025UC
Packaged in 50 mM sodium acetate, 50 mM n-acetylmethionine and 5% sucrose.		
Shipped in dry ice. Store at -20 °C.		
Fresh lot: Second Monday of each month.		
MIP-1 α , [¹²⁵ I]-, (human, recombinant)	5 μ Ci (185 kBq)	NEX298005UC
2200 Ci (81.4 TBq)/mmol	25 μ Ci (925 kBq)	NEX298025UC
Packaged lyophilized from a solution containing sodium acetate, sucrose, BSA and a stabilizer.		
Shipped ambient. Store at 2–8 °C.		
Fresh lot: Second Monday of each month.		

Radiochemicals Product Listing

Mp–Ms

Product	Size	Product No.
MIP-1 β , (Leu ³ , Gly ⁴⁷), [¹²⁵ I]-, (human, recombinant)	5 μ Ci (185 kBq)	NEX299005UC
2200 Ci (81.4 TBq)/mmol	25 μ Ci (925 kBq)	NEX299025UC
Packaged lyophilized from a solution containing sodium acetate, sucrose, BSA and a stabilizer.		
Shipped ambient. Store at 2–8 °C.		
Fresh lot: Second Monday of each month.		
MIP-3 α , [¹²⁵ I]-, (human, recombinant)	10 μ Ci (370 kBq)	NEX371010UC
2200 Ci (81.4 TBq)/mmol	25 μ Ci (925 kBq)	NEX371025UC
Packaged in acetonitrile:2-propanol:water (39:5:56) containing 0.12 M NaClO ₄ , 0.2% BSA with CaCl ₂ and TFA.		
Shipped in dry ice. Store at -20 °C.		
Fresh lot: Second Monday of each month.		
MIT-1, [¹²⁵ I]-, Bolton-Hunter labeled	10 μ Ci (370 kBq)	NEX410010UC
2200 Ci (81.4 TBq)/mmol	25 μ Ci (925 kBq)	NEX410025UC
Packaged in 50 mM sodium acetate (pH 4.0) containing 50 mM N-acetylmethionine, 5% sucrose and 0.25% BSA.		
Shipped in dry ice. Store at -20 °C.		
Fresh upon request.		
MK-801, (+)-[3- ³ H]-	25 μ Ci (925 kBq)	NET972025UC
15–30 Ci (0.555–1.11 TBq)/mmol	250 μ Ci (9.25 MBq)	NET972250UC
1 mCi/mL	1 mCi (37 MBq)	NET972001MC
Packaged in ethanol.		
Shipped in dry ice. Store at -20 °C.		
MK-912, [methyl- ³ H]-	25 μ Ci (925 kBq)	NET1059025UC
60–87 Ci (2.22–3.22 TBq)/mmol	250 μ Ci (9.25 MBq)	NET1059250UC
1 mCi/mL		
Packaged in ethanol under nitrogen in a vial that protects contents from UV light.		
Shipped in dry ice. Store at -80 °C.		
Monocyte Chemoattractant Protein-1 [¹²⁵ I], Bolton-Hunter labeled, ([¹²⁵ I]-MCP-1), (human, recombinant)	5 μ Ci (185 kBq)	NEX332005UC
2200 Ci (81.4 TBq)/mmol	25 μ Ci (925 kBq)	NEX332025UC
Packaged lyophilized from sodium acetate buffer containing sucrose and BSA.		
Shipped in dry ice. Store at 2–8 °C (after reconstitution).		
Fresh lot: First Monday of each month.		
Monopotassium Phosphate		
<i>See Phosphorous-32.</i>		
Monosodium Phosphate		
<i>See Phosphorous-32.</i>		
Motilin, [¹²⁵ I]-	10 μ Ci (370 kBq)	NEX378010UC
2200 Ci (81.4 TBq)/mmol	25 μ Ci (925 kBq)	NEX378025UC
Packaged in acetonitrile:water (35:65), 0.05 M 2-mercaptoethanol, 0.3% TFA and 0.3% BSA.		
Shipped in dry ice. Store at -20 °C.		
Fresh lot: Third Monday of each month.		
MPPE, [methyl- ³ H]-	25 μ Ci (925 kBq)	NET1109025UC
60–87 Ci (2.22–3.22 TBq)/mmol	250 μ Ci (9.25 MBq)	NET1109250UC
1 mCi/mL		
Packaged in ethanol under nitrogen in a vial that protects contents from UV light.		
Shipped in dry ice. Store at -20 °C.		
α -MSH (Nle ⁴ , D-Phe ⁷), [¹²⁵ I]-	10 μ Ci (370 kBq)	NEX352010UC
2200 Ci (81.4 TBq)/mmol	50 μ Ci (1.85 MBq)	NEX352050UC
Packaged in a 1-propanol:tris-HCl buffer (pH 8.5) containing sodium chloride, BSA, Trasylol® and 2-mercaptoethanol.		
Shipped in dry ice. Store at -20 °C.		
Fresh lot: Third Monday of each month.		

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Product	Size	Product No.
MT II (His), [¹²⁵ I]- 2200 Ci (81.4 TBq)/mmol Packaged in 1-propanol:0.1% TFA:acetonitrile (23:50:27) with 0.4% BSA in a silanized vial. Shipped in dry ice. Store at -20 °C. Fresh lot: First Monday of each month.	10 µCi (370 kBq) 50 µCi (1.85 MBq)	NEX374010UC NEX374050UC
Muscimol, 3-hydroxy-5-aminomethylisoxazole, [methylene- ³ H(N)]- 20–40 Ci (0.74–1.48 TBq)/mmol 1 mCi/mL Packaged in ethanol:water (1:1) under nitrogen in a vial that protects contents from UV light. Shipped in dry ice. Store at -20 °C.	250 µCi (9.25 MBq) 1 mCi (37 MBq)	NET574250UC NET574001MC
Myristic acid, [9,10- ³ H(N)]-, (tetradecanoic acid) 10–60 Ci (0.37–2.22 TBq)/mmol 1 mCi/mL Packaged under ethanol in a silanized vial. Shipped in dry ice. Store at 2–8 °C.	1 mCi (37 MBq) 5 mCi (185 MBq) 25 mCi (925 MBq)	NET830001MC NET830005MC NET830025MC
NAAG, [glutamate-3,4- ³ H]- 40–80 Ci (1.48–2.96 TBq)/mmol 1 mCi/mL Packaged in 0.1 M potassium phosphate. Shipped on blue ice. Store at 2–8 °C.	50 µCi (1.85 MBq) 250 µCi (9.25 MBq)	NET1082050UC NET1082250UC
NAD <i>See Nicotinamide Adenine Dinucleotide.</i>		
Nalaxone, [N-allyl-2,3- ³ H]- 40–70 Ci (1.48–2.59 TBq)/mmol 1 mCi/mL Packaged in ethanol under nitrogen in a silanized vial that protects contents from UV light. Shipped in dry ice. Store at -20 °C.	25 µCi (925 kBq) 250 µCi (9.25 MBq)	NET719025UC NET719250UC
Naltrindole, [5',7'- ³ H]- 20–40 Ci (0.74–1.48 TBq)/mmol 1 mCi/mL Packaged in ethanol under nitrogen in a vial that protects contents from UV light. Shipped in dry ice. Store at -20 °C.	25 µCi (925 kBq) 250 µCi (9.25 MBq)	NET1065025UC NET1065250UC
NECA <i>See Ethylcarboxamidoadenosine.</i>		
Neurokinin A, [¹²⁵ I]-, ([¹²⁵ I]-Substance K, [¹²⁵ I]-NKA) 2200 Ci (81.4 TBq)/mmol Packaged lyophilized from phosphate-buffered saline (pH 6.0) containing glycine, BSA and Trasylol®. Shipped in dry ice. Store at -20 °C (after reconstitution). Fresh lot: Third Monday of each month.	10 µCi (370 kBq) 50 µCi (1.85 MBq)	NEX252010UC NEX252050UC
Neurokinin B (MePhe ⁷) His, [¹²⁵ I]-, ([¹²⁵ I]-NKB) 2200 Ci (81.4 TBq)/mmol Packaged in water:acetonitrile (65:35) containing TFA, BSA and 2-mercaptoethanol. Shipped in dry ice. Store at -20 °C. Fresh lot: Third Monday of each month.	10 µCi (370 kBq) 50 µCi (1.85 MBq)	NEX285010UC NEX285050UC
Neuromedin U-25 (Tyr ¹⁸), [¹²⁵ I]-, ([¹²⁵ I]-NMU-25), (porcine) 2200 Ci (81.4 TBq)/mmol Packaged in aqueous 0.1% TFA with 0.4% BSA:46% 1-propanol and 54% acetonitrile (1:1). Shipped in dry ice. Store at -20 °C. Fresh lot: Third Monday of each month.	10 µCi (370 kBq) 25 µCi (925 kBq)	NEX383010UC NEX383025UC

Radiochemicals Product Listing

Ne—Ni

Product	Size	Product No.
Neuromedin U-8, [¹²⁵ I]-, ([¹²⁵ I]-NMU-8)	10 µCi (370 kBq)	NEX392010UC
2200 Ci (81.4 TBq)/mmol	25 µCi (925 kBq)	NEX392025UC
Packaged in 0.1% TFA with 0.4% BSA:46% 1-propanol and 54% acetonitrile (1:1).		
Shipped ambient. Store at 2–8 °C.		
Fresh lot: Third Monday of each month.		
Neuropeptide B23 (Des-Br), [¹²⁵ I]-, ([¹²⁵ I]-NPB23), (human)	10 µCi (370 kBq)	NEX405010UC
2200 Ci (81.4 TBq)/mmol	25 µCi (925 kBq)	NEX405025UC
Packaged in 0.1% TFA with 0.4% BSA:46% 1-propanol and 54% acetonitrile (1:1).		
Shipped in dry ice. Store at -20 °C.		
Fresh upon request.		
Neuropeptide FF (D-Tyr ¹ , N-MePhe ³), [¹²⁵ I]-, ([¹²⁵ I]-NPFF)	10 µCi (370 kBq)	NEX381010UC
2200 Ci (81.4 TBq)/mmol	25 µCi (925 kBq)	NEX381025UC
Packaged in 0.1% TFA with 0.4% BSA:46% 1-propanol and 54% acetonitrile (1:1).		
Shipped in dry ice. Store at -20 °C.		
Fresh lot: Second Monday of each month.		
Neuropeptide S (Tyr ¹⁰), [¹²⁵ I]-, ([¹²⁵ I]-NPS), (human)	10 µCi (370 kBq)	NEX411010UC
2200 Ci (81.4 TBq)/mmol	25 µCi (925 kBq)	NEX411025UC
Packaged in 0.1% TFA with 0.4% BSA:46% 1-propanol and 54% acetonitrile (50:50).		
Shipped in dry ice. Store at -20 °C.		
Fresh upon request.		
Neuropeptide W23, [¹²⁵ I]-, ([¹²⁵ I]-NPW23), (human)	10 µCi (370 kBq)	NEX403010UC
2200 Ci (81.4 TBq)/mmol	25 µCi (925 kBq)	NEX403025UC
Packaged in 0.2 M N-AcMet, 50 mM phosphoric acid with 0.25% BSA:1-propanol (1:1).		
Shipped in dry ice. Store at -20 °C.		
Fresh upon request.		
Neurotensin, [3,11-tyrosyl-3,5- ³ H(N)]-	25 µCi (925 kBq)	NET605025UC
>90 Ci (3.33 TBq)/mmol	250 µCi (9.25 MBq)	NET605250UC
1 mCi/mL		
Packaged in ethanol in a silanized vial that protects contents from UV light.		
Shipped in dry ice. Store at -20 °C.		
Neurotensin (Tyr ³), [¹²⁵ I]-	10 µCi (370 kBq)	NEX198010UC
2200 Ci (81.4 TBq)/mmol	50 µCi (1.85 MBq)	NEX198050UC
Packaged in phosphate buffer (pH 4.7):ethanol (6:4).		
Shipped ambient. Store at -20 °C.		
Fresh lot: Third Monday of each month.		
Nicotinamide Adenine Dinucleotide, [adenine-2,8- ³ H]-, (NAD; DPN)	50 µCi (1.85 MBq)	NET443H050UC
25–40 Ci (0.925–1.48 TBq)/mmol	250 µCi (9.25 MBq)	NET443H250UC
0.1 mCi/mL		
Packaged in ethanol:water (1:1).		
Shipped in dry ice. Store at -20 °C.		
Nicotinamide Adenine Dinucleotide, [adenylate- ³² P]-, (NAD; DPN)	250 µCi (9.25 MBq)	BLU023X250UC
800 Ci (29.6 TBq)/mmol	1 mCi (37 MBq)	BLU023X001MC
5 mCi/mL		
Packaged in a stabilized aqueous solution. Lead-free packaging.		
Shipped in dry ice. Store at -20 °C or below.		
Fresh lot: Every Monday and Thursday.		

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Product	Size	Product No.
Nicotinamide Adenine Dinucleotide, [adenylate- ³² P]-, (NAD; DPN)	250 µCi (9.25 MBq)	NEG023X250UC
800 Ci (29.6 TBq)/mmol	500 µCi (18.5 MBq)	NEG023X500UC
5 mCi/mL	1 mCi (37 MBq)	NEG023X001MC
Packaged in a stabilized aqueous solution. Shipped in lead.		
Shipped in dry ice. Store at -20 °C or below.		
Fresh lot: Every Monday and Thursday.		
Nicotine, L-(-)-[N-methyl- ³ H]-	25 µCi (925 kBq)	NET827025UC
60–87 Ci (2.22–3.22 TBq)/mmol	250 µCi (9.25 MBq)	NET827250UC
1 mCi/mL	1 mCi (37 MBq)	NET827001MC
Packaged in ethanol under argon in a vial that protects contents from UV light.		
Shipped in dry ice. Store at -20 °C.		
Niobium-95 microspheres, 15 µ	100 µCi (3.7 MBq)	NEM092A100UC
1–20 mCi (37–740 MBq)/g	250 µCi (9.25 MBq)	NEM092A250UC
Packaged in normal saline, 10% dextran or 20% dextran; with or without 0.01% Tween-80®.	500 µCi (18.5 MBq)	NEM092A500UC
Shipped ambient. Store at 2–8 °C.	1 mCi (37 MBq)	NEM092A001MC
Niobium-95 radionuclide	1 mCi (37 MBq)	NEZ155001MC
Carrier free.	2 mCi (74 MBq)	NEZ155002MC
Packaged in 6.0 N HCl.	5 mCi (185 MBq)	NEZ155005MC
Shipped ambient. Store ambient.		
Half life: 35 days		
Nisoxetine hydrochloride, [N-methyl- ³ H]-	25 µCi (925 kBq)	NET1084025UC
70–87 Ci (2.59–3.22 TBq)/mmol	250 µCi (9.25 MBq)	NET1084250UC
1 mCi/mL		
Packaged in ethanol under argon.		
Shipped in dry ice. Store at -20 °C.		
Nitrendipine, [5-methyl- ³ H]-	25 µCi (925 kBq)	NET741025UC
70–87 Ci (2.59–3.22 TBq)/mmol		
1 mCi/mL		
Packaged in ethanol under nitrogen in a vial that protects contents from UV light.		
Shipped in dry ice. Store at -20 °C.		
NKA or NKB		
See <i>Neurokinin A</i> or <i>Neurokinin B</i> .		
N,N,N-Triethylethan-Ammonium Bromide		
See <i>Tetraethylammonium bromide</i> .		
Nociceptin (Tyr ¹⁴), [¹²⁵ I]-	10 µCi (370 kBq)	NEX338010UC
2200 Ci (81.4 TBq)/mmol	50 µCi (1.85 MBq)	NEX338050UC
Packaged in phosphate-buffered saline containing glycine and BSA.		
Shipped in dry ice. Store at -20 °C.		
Fresh lot: First Monday of each month.		
Nociceptin, [leucyl-3,4,5- ³ H]-	10 µCi (370 kBq)	NET1130010UC
80–160 Ci (2.96–5.92 TBq)/mmol	50 µCi (1.85 MBq)	NET1130050UC
0.1 mCi/mL		
Packaged in 0.1 N acetic acid:ethanol (8:2).		
Shipped in dry ice. Store at 2–8 °C.		
Noradrenaline		
See <i>Norepinephrine</i> .		
Norepinephrine hydrochloride, DL-[7- ³ H(N)]-	250 µCi (9.25 MBq)	NET048250UC
5–15 Ci (185–555 GBq)/mmol	1 mCi (37 MBq)	NET048001MC
1 mCi/mL		
Packaged in 0.2 N acetic acid:ethanol (9:1) under nitrogen in a vial that protects contents from UV light.		
Shipped ambient. Store at 2–8 °C.		

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Radiochemicals Product Listing

No—Or

Product	Size	Product No.
Norepinephrine, levo-[7- ³ H]-	250 µCi (9.25 MBq)	NET377250UC
10–30 Ci (0.37–1.11 TBq)/mmol	1 mCi (37 MBq)	NET377001MC
1 mCi/mL	5 mCi (185 MBq)	NET377005MC
Packaged in 0.2 N acetic acid:ethanol (9:1) under nitrogen in a vial that protects contents from UV light. Shipped in dry ice. Store at -80 °C.		
Norepinephrine, levo-[ring-2,5,6- ³ H]-	250 µCi (9.25 MBq)	NET678250UC
40–80 Ci (1.48–2.96 TBq)/mmol	1 mCi (37 MBq)	NET678001MC
1 mCi/mL	5 mCi (185 MBq)	NET678005MC
Packaged in 0.2 N acetic acid:ethanol (9:1) under argon in a vial that protects contents from UV light. Shipped in dry ice. Store at -20 °C.		
NPB, NPFF, NPS, NPW <i>See Neuropeptide.</i>		
Obestatin, [¹²⁵ I]-	10 µCi (370 kBq)	NEX415010UC
2200 Ci (81.4 TBq)/mmol	25 µCi (925 kBq)	NEX415025UC
Packaged in 0.1% TFA and 0.4% BSA:46% 1-propanol and 54% acetonitrile (1:1). Shipped in dry ice. Store at -20 °C. Fresh lot: First Monday of each month.		
Oleic acid, [1- ¹⁴ C]-	50 µCi (1.85 MBq)	NEC317050UC
40–60 mCi (1.48–2.22 GBq)/mmol	250 µCi (9.25 MBq)	NEC317250UC
0.1 mCi/mL		
Packaged in ethanol under nitrogen in a silanized vial. Shipped in dry ice. Store at -20 °C.		
Oleic acid, [9,10- ³ H(N)]-	1 mCi (37 MBq)	NET289001MC
15–60 Ci (0.555–2.22 TBq)/mmol	5 mCi (185 MBq)	NET289005MC
5 mCi/mL	25 mCi (925 MBq)	NET289025MC
Packaged in ethanol under nitrogen in a silanized vial. Shipped in dry ice. Store at -20 °C.		
Oleoyl coenzyme A, [oleoyl-1- ¹⁴ C]-	10 µCi (370 kBq)	NEC651010UC
40–60 mCi (1.48–2.22 GBq)/mmol	50 µCi (1.85 MBq)	NEC651050UC
0.02 mCi/mL		
Packaged in 10 mM sodium acetate (pH 6.0):ethanol (1:1) under argon in a vial that protects contents from UV light. Shipped in dry ice. Store at -20 °C.		
Oleoyl coenzyme A, [oleoyl-1- ¹⁴ C]-	10 µCi (370 kBq)	NEC651A010UC
40–60 mCi (1.48–2.22 GBq)/mmol	50 µCi (1.85 MBq)	NEC651A050UC
0.05 mCi/mL		
Packaged in 10 mM sodium acetate (pH 6.0) in a vial that protects contents from UV light. Shipped in dry ice. Store at -20 °C.		
Omega Conotoxin <i>See Conotoxin.</i>		
Orexin A, [¹²⁵ I]-	10 µCi (370 kBq)	NEX367010UC
2200 Ci (81.4 TBq)/mmol	50 µCi (1.85 MBq)	NEX367050UC
Packaged in 0.1 M tris-HCl (pH 7.5) with 0.1% BSA. Shipped in dry ice. Store at -20 °C. Fresh lot: Second Monday of each month.		
Ornithine Vasotocin Analog, [¹²⁵ I]-, ([¹²⁵ I]-OVTA)	10 µCi (370 kBq)	NEX254010UC
2200 Ci (81.4 TBq)/mmol	50 µCi (1.85 MBq)	NEX254050UC
Packaged lyophilized from phosphate-buffered saline (pH 7.2) containing glycine, BSA and Trasylol®. Shipped ambient. Store at 2–8 °C. Fresh lot: Second Monday of odd months.		

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Product	Size	Product No.
Ornithine, L-[1- ¹⁴ C]- 40–60 mCi (1.48–2.22 GBq)/mmol 0.1 mCi/mL Steri-packaged in 0.01 N HCl. Shipped ambient. Store at 2–8 °C.	50 µCi (1.85 MBq) 250 µCi (9.25 MBq)	NEC710050UC NEC710250UC
Ouabain, [³ H(G)]- 15–30 Ci (0.555–1.11 TBq)/mmol 1 mCi/mL Packaged in ethanol. Shipped in dry ice. Store at -20 °C.	250 µCi (9.25 MBq) 1 mCi (37 MBq)	NET211250UC NET211001MC
OVT <i>See Ornithine Vasotocin Analog.</i>		
Oxotremorine-M acetate, [methyl- ³ H]- 70–90 Ci (2.59–3.33 TBq)/mmol 1 mCi/mL Packaged in ethanol under nitrogen in a vial that protects contents from UV light. Shipped in dry ice. Store at -20 °C.	250 µCi (9.25 MBq)	NET671250UC
Oxytocin (Tyr ²), [¹²⁵ I]- 2200 Ci (81.4 TBq)/mmol Packaged lyophilized from phosphate-buffered saline (pH 7.2) containing glycine, BSA and Trasylol®. Shipped ambient. Store at 2–8 °C. Fresh lot: Second Monday of each month.	10 µCi (370 kBq)	NEX187010UC
Oxytocin, [tyrosyl-2,6- ³ H]- 30–60 Ci (1.11–2.22 TBq)/mmol 1 mCi/mL Packaged in ethanol:water (8:2) under argon in a silanized vial that protects contents from UV light. Shipped in dry ice. Store at -20 °C.	50 µCi (1.85 MBq) 250 µCi (9.25 MBq)	NET858050UC NET858250UC
PACAP 27, [¹²⁵ I]- 2200 Ci (81.4 TBq)/mmol Packaged lyophilized from a sodium phosphate buffer containing saline, glycine, BSA and stabilizers. Shipped in dry ice. Store at -20 °C. Fresh lot: Second Monday of each month.	5 µCi (185 kBq) 25 µCi (925 kBq)	NEX294005UC NEX294025UC
Palmitic acid, [1- ¹⁴ C]- 40–60 mCi (1.48–2.22 GBq)/mmol 0.1 mCi/mL Packaged in ethanol in a silanized vial. Shipped ambient. Store at 2–8 °C.	50 µCi (1.85 MBq) 250 µCi (9.25 MBq) 1 mCi (37 MBq)	NEC075H050UC NEC075H250UC NEC075H001MC
Palmitic acid, [¹⁴ C(U)]- >500 mCi (18.5 GBq)/mmol 0.1 mCi/mL Packaged in ethanol in a silanized vial. Shipped ambient. Store at -20 °C.	50 µCi (1.85 MBq) 250 µCi (9.25 MBq)	NEC534050UC NEC534250UC
Palmitic acid, [9,10- ³ H(N)]- 30–60 Ci (1.11–2.22 TBq)/mmol 5 mCi/mL Packaged in ethanol in a silanized vial. Shipped in dry ice. Store at -20 °C.	1 mCi (37 MBq) 5 mCi (185 MBq) 25 mCi (925 MBq)	NET043001MC NET043005MC NET043025MC

Radiochemicals Product Listing

Pa–Pe

Product	Size	Product No.
<p>Palmitoyl-carnitine chloride, L-[palmitoyl-1-¹⁴C]-</p> <p>40–55 mCi (1.48–2.03 GBq)/mmol</p> <p>0.1 mCi/mL</p> <p>Packaged in ethanol:water (95:5) in a silanized vial.</p> <p>Shipped ambient. Store at -20 °C.</p>	10 µCi (370 kBq)	NEC667010UC
<p>Palmitoyl coenzyme A, [palmitoyl-1-¹⁴C]-</p> <p>40–60 mCi (1.48–2.22 GBq)/mmol</p> <p>0.02 mCi/mL</p> <p>Packaged in a 0.1 M sodium acetate buffer (pH 6.0).</p> <p>Shipped in dry ice. Store at -20 °C.</p>	10 µCi (370 kBq) 50 µCi (1.85 MBq)	NEC555010UC NEC555050UC
<p>Palmityl cholesteryl ether</p> <p><i>See Cholesteryl hexadecyl ether.</i></p>		
<p>Pancreatic polypeptide, [¹²⁵I]-, (human)</p> <p>2200 Ci (81.4 TBq)/mmol</p> <p>Packaged lyophilized from phosphate-buffered saline containing glycine and BSA.</p> <p>Shipped ambient. Store at 2–8 °C.</p> <p>Fresh lot: Fourth Monday of each month.</p>	10 µCi (370 kBq) 50 µCi (1.85 MBq)	NEX315010UC NEX315050UC
<p>PAPS</p> <p><i>See Phosphoadenosine 5'-phosphosulfate.</i></p>		
<p>Parathyroid Hormone (Nle^{8,18}, Tyr³⁴), [¹²⁵I]-, ([¹²⁵I]-PTH), (human, 1–34)</p> <p>2200 Ci/ (81.4 TBq)/mmol</p> <p>Packaged in 50 mM sodium acetate (pH 4.2) containing 5% sucrose and 1% BSA.</p> <p>Shipped in dry ice. Store at -20 °C.</p> <p>Fresh upon request.</p>	10 µCi (370 kBq) 25 µCi (925 kBq)	NEX397010UC NEX397025UC
<p>Parathyroid Hormone amide (Nle^{8,21}, Tyr³⁴), [¹²⁵I]-, ([¹²⁵I]-PTH amide), (rat, 1–34)</p> <p>2200 Ci (81.4 TBq)/mmol</p> <p>Packaged lyophilized from sodium acetate buffer containing sucrose and BSA.</p> <p>Shipped in dry ice. Store at -20 °C.</p> <p>Fresh upon request.</p>	10 µCi (370 kBq) 50 µCi (1.85 MBq)	NEX353010UC NEX353050UC
<p>Paroxetine, [phenyl-6'-³H]-</p> <p>15–30 Ci (0.555–1.11 TBq)/mmol</p> <p>1 mCi/mL</p> <p>Packaged in ethanol.</p> <p>Shipped in dry ice. Store at -80 °C.</p>	25 µCi (925 kBq) 250 µCi (9.25 MBq) 1 mCi (37 MBq)	NET869025UC NET869250UC NET869001MC
<p>PCP</p> <p><i>See Cytidine 3',5'-bis(phosphate).</i></p>		
<p>(+)-Pentazocine, [ring-1,3-³H]-</p> <p>25–60 Ci (0.925–2.22 TBq)/mmol</p> <p>1 mCi/mL</p> <p>Packaged in ethanol under nitrogen in a silanized vial.</p> <p>Shipped in dry ice. Store at -20 °C.</p>	25 µCi (925 kBq) 250 µCi (9.25 MBq) 1 mCi (37 MBq)	NET1056025UC NET1056250UC NET1056001MC
<p>Peptide YY, [¹²⁵I]-, ([¹²⁵I]-PYY), (porcine)</p> <p>2200 Ci (81.4 TBq)/mmol</p> <p>Packaged lyophilized from phosphate-buffered saline containing glycine and BSA.</p> <p>Shipped ambient. Store at 2–8 °C.</p> <p>Fresh lot: Third Monday of each month.</p>	10 µCi (370 kBq) 50 µCi (1.85 MBq)	NEX240010UC NEX240050UC
<p>Peptide YY (Leu³¹, Pro³⁴), [¹²⁵I]-, ([¹²⁵I]-PYY), (porcine)</p> <p>2200 Ci (81.4 TBq)/mmol</p> <p>Packaged lyophilized from phosphate-buffered saline containing glycine and BSA.</p> <p>Shipped ambient. Store at 2–8 °C.</p> <p>Fresh lot: Third Monday of each month.</p>	10 µCi (370 kBq) 50 µCi (1.85 MBq)	NEX334010UC NEX334050UC

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Product	Size	Product No.
Peptide YY, [¹²⁵ I]-, ([¹²⁵ I]-PYY), (human)	10 µCi (370 kBq)	NEX341010UC
2200 Ci (81.4 TBq)/mmol	50 µCi (1.85 MBq)	NEX341050UC
Packaged in 50 mM sodium phosphate (pH 7.4) containing BSA.		
Shipped in dry ice. Store at -20 °C.		
Fresh lot: First Monday of each month.		
PGD ₂		
See Prostaglandin D ₂ .		
PGE ₂		
See Prostaglandin E ₂ .		
PGF _{2α}		
See Prostaglandin F _{2α} .		
Phenylalanine, L-[¹⁴ C(U)]-	50 µCi (1.85 MBq)	NEC284E050UC
>450 mCi (16.6 GBq)/mmol	250 µCi (9.25 MBq)	NEC284E250UC
0.1 mCi/mL		
Steri-packaged in ethanol:water (2:98). Not for human use.		
Shipped ambient. Store at 2–8 °C.		
Phenylethylamine hydrochloride, β-[ethyl-1- ¹⁴ C]-	50 µCi (1.85 MBq)	NEC502050UC
40–60 mCi (1.48–2.22 GBq)/mmol	250 µCi (9.25 MBq)	NEC502250UC
0.1 mCi/mL		
Packaged in ethanol under nitrogen in a foil-wrapped vial.		
Shipped ambient. Store at 2–8 °C.		
Phenytoin		
See 5,5,-Diphenylhydantoin.		
Phosphatidic acid, L-α-dipalmitoyl-[glycerol- ¹⁴ C(U)]-	5 µCi (185 kBq)	NEC799005UC
100–200 mCi (3.7–7.4 GBq)/mmol		
0.05 mCi/mL		
Packaged in toluene:ethanol (1:1) in a silanized vial.		
Shipped in dry ice. Store at -20 °C.		
Phosphatidylcholine, L-α-dipalmitoyl-[dipalmitoyl-1- ¹⁴ C]-	10 µCi (370 kBq)	NEC682010UC
80–120 mCi (2.96–4.44 GBq)/mmol	50 µCi (1.85 MBq)	NEC682050UC
0.05 mCi/mL		
Packaged in toluene:ethanol (1:1) in a silanized vial.		
Shipped in dry ice. Store at -20 °C.		
Phosphatidylcholine, L-α-dipalmitoyl-[choline-methyl- ³ H]-	250 µCi (9.25 MBq)	NET654250UC
30–60 Ci (1.11–2.22 TBq)/mmol		
1 mCi/mL		
Packaged in toluene:ethanol (1:1) in a silanized vial.		
Shipped in dry ice. Store at -20 °C.		
Phosphatidylcholine, L-α-1-palmitoyl-2-arachidonoyl-[arachidonoyl-1- ¹⁴ C]-	10 µCi (370 kBq)	NEC765010UC
40–60 mCi (1.48–2.22 GBq)/mmol	50 µCi (1.85 MBq)	NEC765050UC
0.05 mCi/mL		
Packaged in toluene:ethanol (1:1) under argon in a silanized vial.		
Shipped in dry ice. Store at -20 °C.		
Phosphatidylethanolamine, L-α-1-palmitoyl-2-arachidonoyl-[arachidonoyl-1- ¹⁴ C]-	10 µCi (370 kBq)	NEC783010UC
40–60 mCi (1.48–2.22 GBq)/mmol	25 µCi (925 kBq)	NEC783025UC
0.05 mCi/mL		
Packaged in toluene:ethanol (1:1) in a silanized vial.		
Shipped in dry ice. Store at -20 °C.		

Radiochemicals Product Listing

Ph-Ph

Product	Size	Product No.
L- α -Phosphatidylinositol, [myo-inositol-2- $^3\text{H}(\text{N})$]- 5–20 Ci (185–740 GBq)/mmol 0.1 mCi/mL Packaged in ethanol under argon in a silanized vial. Shipped in dry ice. Store at -20 °C.	1 μCi (37 kBq) 10 μCi (370 kBq) 50 μCi (1.85 MBq)	NET862001UC NET862010UC NET862050UC
Phosphatidylinositol-4,5-bisphosphate, [1- ^3H]-, (inositol-1- ^3H) 10–30 Ci (0.37–1.11 TBq/mmol) 500 μCi /mL Packaged in 80% ethanol solution in a Sigma Cote™ treated vial. Shipped on blue ice. Store at 2–8 °C. Fresh upon request.	Custom filled	NET1135000MC
Phosphatidylinositol 4,5-bisphosphate, [inositol-2- $^3\text{H}(\text{N})$]-, (PIP2) 2–20 Ci (74–740 GBq)/mmol 0.01 mCi/mL Packaged in methylene chloride:ethanol:water (20:10:1) under argon in a sealed silanized ampoule. Shipped in dry ice. Store at -20 °C.	5 μCi (185 kBq) 25 μCi (925 kBq)	NET895005UC NET895025UC
Phosphoadenosine 5'-phosphosulfate, 3'-[^{35}S]-, (PAPS) 1–3 Ci (37–111 GBq)/mmol 1 mCi/mL Packaged in ethanol:water (1:1). Shipped in dry ice. Store at -20 °C or below. Fresh lot: First Tuesday of each month.	100 μCi (3.7 MBq) 250 μCi (9.25 MBq)	NEG010100UC NEG010250UC
Phospholipase A ₂ Substrate <i>See Arachidonic acid.</i>		
Phosphorus-32 radionuclide 900–1100 mCi (33.3–40.7 GBq)/mmol Packaged as dipotassium phosphate in 1.0 mL water. Shipped ambient. Store ambient. Half life: 14.29 days Fresh lot: Every Wednesday.	1 mCi (37 MBq) 2 mCi (74 MBq) 5 mCi (185 MBq) 10 mCi (370 MBq) 25 mCi (925 MBq)	NEX011001MC NEX011002MC NEX011005MC NEX011010MC NEX011025MC
Phosphorus-32 radionuclide 900–1100 mCi (33.3–40.7 GBq)/mmol Packaged as dipotassium phosphate in 1.0 mL water. Shipped ambient. Store ambient. Half life: 14.29 days Fresh lot: Every Wednesday.	1 mCi (37 MBq) 2 mCi (74 MBq) 5 mCi (185 MBq) 10 mCi (370 MBq) 25 mCi (925 MBq)	NEX055001MC NEX055002MC NEX055005MC NEX055010MC NEX055025MC
Phosphorus-32 radionuclide 900–1100 mCi (33.3–40.7 GBq)/mmol Packaged as monopotassium phosphate in 1.0 mL water. Shipped ambient. Store ambient. Half life: 14.29 days Fresh lot: Every Wednesday.	1 mCi (37 MBq) 2 mCi (74 MBq) 5 mCi (185 MBq) 10 mCi (370 MBq) 25 mCi (925 MBq)	NEX060001MC NEX060002MC NEX060005MC NEX060010MC NEX060025MC
Phosphorus-32 radionuclide 900–1100 mCi (33.3–40.7 GBq)/mmol Packaged as monosodium phosphate in 1.0 mL water. Shipped ambient. Store ambient. Half life: 14.29 days Fresh lot: Every Wednesday.	1 mCi (37 MBq) 2 mCi (74 MBq) 5 mCi (185 MBq) 10 mCi (370 MBq) 25 mCi (925 MBq)	NEX063001MC NEX063002MC NEX063005MC NEX063010MC NEX063025MC

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Product	Size	Product No.
Phosphorus-32 radionuclide	1 mCi (37 MBq)	NEX019001MC
1–60 Ci (0.037–2.22 TBq)/mmol	2 mCi (74 MBq)	NEX019002MC
Packaged as tetrasodium pyrophosphate in saline.	5 mCi (185 MBq)	NEX019005MC
Shipped ambient. Store ambient.	10 mCi (370 MBq)	NEX019010MC
Half life: 14.29 days	50 mCi (1.85 GBq)	NEX019050MC
Fresh lot: Every Wednesday.		
Phosphorus-32 radionuclide	1 mCi (37 MBq)	NEX053001MC
8500–9120 Ci (314–337 TBq)/mmol	2 mCi (74 MBq)	NEX053002MC
Packaged as orthophosphoric acid in 1 mL water.	5 mCi (185 MBq)	NEX053005MC
Shipped ambient. Store ambient.	10 mCi (370 MBq)	NEX053010MC
Half life: 14.29 days	25 mCi (925 MBq)	NEX053025MC
Fresh lot: Every Wednesday.	50 mCi (1.85 GBq)	NEX053050MC
Phosphorus-32 radionuclide	25 mCi (925 MBq)	NEX053C025MC
8500–9120 Ci (314–337 TBq)/mmol	50 mCi (1.85 GBq)	NEX053C050MC
>500 mCi/mL		
Packaged as orthophosphoric acid in water.		
Shipped ambient. Store ambient.		
Half life: 14.29 days		
Fresh lot: Every Friday.		
Phosphorus-32 radionuclide	1 mCi (37 MBq)	NEX053H001MC
8500–9120 Ci (314–337 TBq)/mmol	2 mCi (74 MBq)	NEX053H002MC
10 mCi/mL	5 mCi (185 MBq)	NEX053H005MC
Packaged as orthophosphoric acid in water.	25 mCi (925 MBq)	NEX053H025MC
Shipped ambient. Store ambient.	50 mCi (1.85 GBq)	NEX053H050MC
Half life: 14.29 days		
Fresh lot: Every Wednesday.		
Phosphorus-32 radionuclide	5 mCi (185 MBq)	NEX053S005MC
8500–9120 Ci (314–337 TBq)/mmol	10 mCi (370 MBq)	NEX053S010MC
150 mCi/mL	15 mCi (555 MBq)	NEX053S015MC
Packaged as orthophosphoric acid in water.	25 mCi (925 MBq)	NEX053S025MC
Shipped ambient. Store ambient.		
Half life: 14.29 days		
Fresh lot: Every Wednesday.		
Phosphorus-32 radionuclide	1 mCi (37 MBq)	NEX054001MC
8500–9120 Ci (314–337 TBq)/mmol	2 mCi (74 MBq)	NEX054002MC
Packaged as orthophosphoric acid in 1 mL 0.02 M HCl.	5 mCi (185 MBq)	NEX054005MC
Shipped ambient. Store ambient.	10 mCi (370 MBq)	NEX054010MC
Half life: 14.29 days	25 mCi (925 MBq)	NEX054025MC
Fresh lot: Every Wednesday.	50 mCi (1.85 GBq)	NEX054050MC
Phosphorus-33 radionuclide, carrier-free	100 µCi (3.7 MBq)	NEZ080100UC
40–158 Ci (1.48–5.84 TBq)/mg	500 µCi (18.5 MBq)	NEZ080500UC
~100 mCi/mL	1 mCi (37 MBq)	NEZ080001MC
Packaged as orthophosphoric acid in 1 mL HCl-free water.	2 mCi (74 MBq)	NEZ080002MC
Shipped ambient. Store ambient.	5 mCi (185 MBq)	NEZ080005MC
Half life: 25.4 days	10 mCi (370 MBq)	NEZ080010MC
Fresh lot: First Friday of each month.		
(-)-Pindolol, [¹²⁵ I]iodo-	100 µCi (3.7 MBq)	NEX211100UC
2200 Ci (81.4 TBq)/mmol	250 µCi (9.25 MBq)	NEX211250UC
Packaged in ethanol:phenol (99:1) in a vial that protects contents from UV light.		
Shipped in dry ice. Store at -20 °C.		
Fresh lot: First Monday of each month.		

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Pi–Pr

Product	Size	Product No.
PIP2 <i>See Phosphatidylinositol.</i>		
PIPAT <i>See Hydroxy-PIPAT.</i>		
R (+) trans-7-hydroxy-PIPAT, [¹²⁵ I]- 2200 Ci (81.4 TBq)/mmol Packaged in ethanol:aqueous ascorbic acid (80:20). Shipped in dry ice. Store at -80 °C. Fresh lot: Third Monday of each month.	50 µCi (1.85 MBq) 250 µCi (9.25 MBq)	NEX307050UC NEX307250UC
Pirenzepine, [N-methyl- ³ H]- 70–87 Ci (2.59–3.22 TBq)/mmol 1 mCi/mL Packaged in ethanol:25 mM tricine (7:3) under nitrogen. Shipped in dry ice. Store at -20 °C.	25 µCi (925 kBq) 250 µCi (9.25 MBq) 1 mCi (37 MBq)	NET780025UC NET780250UC NET780001MC
Pituitary Adenylate Cyclase Activating Polypeptide <i>See PACAP.</i>		
PK 11195, [N-methyl- ³ H]- 60–90 Ci (2.22–3.33 TBq)/mmol 1 mCi/mL Packaged in ethanol under nitrogen in a vial that protects contents from UV light. Shipped in dry ice. Store at -20 °C.	25 µCi (925 kBq) 250 µCi (9.25 MBq) 1 mCi (37 MBq)	NET885025UC NET885250UC NET885001MC
PN 200-110, (+)-[5-methyl- ³ H]- 70–87 Ci (2.59–3.22 TBq)/mmol 1 mCi/mL Packaged in ethanol under nitrogen in a vial that protects contents from UV light. Shipped in dry ice. Store at -20 °C.	250 µCi (9.25 MBq)	NET863250UC
Polyethylene glycol, [1,2- ³ H]- 0.5–2 mCi (18.5–74 MBq)/g Packaged as a crystalline solid in a screw-cap bottle. Shipped ambient. Store ambient.	250 µCi (9.25 MBq) 1 mCi (37 MBq)	NET405250UC NET405001MC
Ponasterone A, [24,25,26,27- ³ H(N)]- 120–200 Ci (4.44–7.4 TBq)/mmol 1 mCi/mL Packaged in ethanol. Shipped in dry ice. Store at -20 °C.	50 µCi (1.85 MBq)	NET1070050UC
Potassium cyanide, [¹⁴ C]- 40–60 mCi (1.48–2.22 GBq)/mmol Packaged as a crystalline solid in a vial that protects contents from UV light. Shipped ambient. Store at -20 °C.	1 mCi (37 MBq)	NEC079H001MC
Prazosin, [7-methoxy- ³ H]- 70–87 Ci (2.59–3.22 TBq)/mmol 1 mCi/mL Packaged in ethanol:0.01 N HCl (1:1) under nitrogen in a silanized vial. Shipped in dry ice. Store at -20 °C.	25 µCi (925 kBq) 250 µCi (9.25 MBq) 1 mCi (37 MBq)	NET823025UC NET823250UC NET823001MC
Prazosin analog, [¹²⁵ I]-iodoazido-, (Iodoarylazidoprazosin) 2200 Ci (81.4 TBq)/mmol Packaged in acetonitrile:water (1:1). Shipped ambient. Store at 2–8 °C. Fresh lot: Fourth Monday of odd months.	100 µCi (3.7 MBq) 250 µCi (9.25 MBq)	NEX219100UC NEX219250UC

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Pr–Pr

Product	Size	Product No.
Pregnan-3 α -ol-20-one, 5 α -[9,11,12- ³ H(N)]-	25 μ Ci (925 kBq)	NET1047025UC
45–75 Ci (1.66–2.78 TBq)/mmol	250 μ Ci (9.25 MBq)	NET1047250UC
1 mCi/mL		
Packaged in ethanol.		
Shipped in dry ice. Store at -20 °C.		
Pregnenolone, [7- ³ H(N)]-	250 μ Ci (9.25 MBq)	NET039250UC
10–25 Ci (370–925 GBq)/mmol	1 mCi (37 MBq)	NET039001MC
1 mCi/mL		
Packaged in ethanol.		
Shipped ambient. Store at 2–8 °C.		
Progesterone, [1,2,6,7- ³ H(N)]-	250 μ Ci (9.25 MBq)	NET381250UC
90–115 Ci (3.33–4.26 TBq)/mmol	1 mCi (37 MBq)	NET381001MC
1 mCi/mL		
Packaged in ethanol.		
Shipped in dry ice. Store at -20 °C.		
Prolactin, [¹²⁵ I]-, (rat)	10 μ Ci (370 kBq)	NEX108010UC
20–50 μ Ci (0.74–1.85 MBq)/ μ g	50 μ Ci (1.85 MBq)	NEX108050UC
Packaged in phosphate-buffered saline containing glycine, BSA and Trasylol®.		
Shipped in dry ice. Store at -20 °C.		
Fresh lot: Fourth Monday of each month.		
Proline, L-[¹⁴ C(U)]-	50 μ Ci (1.85 MBq)	NEC285E050UC
>250 mCi (9.25 GBq)/mmol	250 μ Ci (9.25 MBq)	NEC285E250UC
0.1 mCi/mL	1 mCi (37 MBq)	NEC285E001MC
Steri-packaged in ethanol:water (2:98). Not for human use.		
Shipped ambient. Store at 2–8 °C.		
Proline, L-[2,3,4,5- ³ H]-	250 μ Ci (9.25 MBq)	NET483250UC
>75 Ci (2.78 TBq)/mmol	1 mCi (37 MBq)	NET483001MC
1 mCi/mL	5 mCi (185 MBq)	NET483005MC
Packaged in ethanol:water (2:98).		
Shipped ambient. Store at 2–8 °C.		
Proline, L-[2,3- ³ H]-	250 μ Ci (9.25 MBq)	NET323250UC
25–55 Ci (0.925–2.03 TBq)/mmol	1 mCi (37 MBq)	NET323001MC
1 mCi/mL	5 mCi (185 MBq)	NET323005MC
Packaged in ethanol:water (2:98).		
Shipped ambient. Store at 2–8 °C.		
Promegestone, (R5020)	5 mg	NLP004005MG
Solid	20 mg	NLP004020MG
Shipped ambient. Store at -20 °C.		
Promegestone, [17 α -methyl- ³ H]-, (R5020)	250 μ Ci (9.25 MBq)	NET555250UC
70–87 Ci (2.59–3.22 TBq)/mmol	1 mCi (37 MBq)	NET555001MC
1 mCi/mL		
Packaged in ethanol under argon in a vial that protects contents from UV light.		
Shipped in dry ice. Store at -20 °C.		
Propranolol, L-[4- ³ H]-	250 μ Ci (9.25 MBq)	NET515250UC
15–30 Ci (0.555–1.11 TBq)/mmol		
1 mCi/mL		
Packaged in ethanol under nitrogen in a vial that protects contents from UV light.		
Shipped in dry ice. Store at -20 °C.		

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Pr–Py

Product	Size	Product No.
Prostaglandin D ₂ , [5,6,8,9,12,14,15- ³ H(N)]-	25 µCi (925 kBq)	NET616025UC
100–210 Ci (3.7–7.77 TBq)/mmol	100 µCi (3.7 MBq)	NET616100UC
0.1 mCi/mL		
Packaged in 70% ethanol under nitrogen in a silanized vial.		
Shipped in dry ice. Store at -20 °C.		
Prostaglandin E ₂ , [5,6,8,11,12,14,15- ³ H(N)]-	25 µCi (925 kBq)	NET428025UC
100–200 Ci (3.7–7.4 TBq)/mmol	50 µCi (1.85 MBq)	NET428050UC
0.1 mCi/mL	250 µCi (9.25 MBq)	NET428250UC
Packaged in 70% ethanol under nitrogen in a silanized vial.		
Shipped in dry ice. Store at -20 °C.		
Prostaglandin F _{2α} , [5,6,8,9,11,12,14,15- ³ H(N)]-	25 µCi (925 kBq)	NET433025UC
150–240 Ci (5.55–8.88 TBq)/mmol	50 µCi (1.85 MBq)	NET433050UC
0.1 mCi/mL	250 µCi (9.25 MBq)	NET433250UC
Packaged in 70% ethanol under nitrogen in a silanized vial.		
Shipped in dry ice. Store at -20 °C.		
Protein A, [¹²⁵ I]-, (human, recombinant)	10 µCi (370 kBq)	NEX146010UC
70–100 µCi (2.59–3.7 MBq)/µg	25 µCi (925 kBq)	NEX146025UC
Packaged in phosphate buffer (pH 4.0) containing 35% ethanol.		
Shipped ambient. Store at 2–8 °C.		
Fresh lot: First and third Friday of each month.		
Protein A, [¹²⁵ I]-, (human, recombinant)	100 µCi (3.7 MBq)	NEX146L100UC
2–10 µCi (74–370 kBq)/µg	250 µCi (9.25 MBq)	NEX146L250UC
Packaged in phosphate buffer (pH 4.0) containing 35% ethanol.		
Shipped ambient. Store at 2–8 °C.		
Fresh lot: First Monday of each month.		
Protein G, [¹²⁵ I]-, Bolton-Hunter labeled, (recombinant)	10 µCi (370 kBq)	NEX237010UC
15–25 µCi (555–925 kBq)/µg	50 µCi (1.85 MBq)	NEX237050UC
Packaged in sodium phosphate-buffered saline (pH 5.2) containing glycine and BSA.	100 µCi (3.7 MBq)	NEX237100UC
Shipped in dry ice. Store at -20 °C.		
Fresh upon request.		
Protein Labeling		
See EXPRE ³⁵ S ³⁵ S or specific ³⁵ S amino acid.		
Protein molecular weight markers, methylated, [methyl- ¹⁴ C]-	1 µCi (37 kBq)	NEC811001UC
3–30 µCi (0.111–1.11 MBq)/mg	5 µCi (185 kBq)	NEC811005UC
0.005 mCi/mL		
Packaged in 10 mM sodium phosphate buffer (pH 7.2) containing 1% SDS, 1% 2-mercaptoethanol and 1 mM EDTA in a polypropylene combi-V-vial.		
Shipped in dry ice. Store at -20 °C.		
PTH		
See Parathyroid Hormone.		
Pyrilamine, [pyridinyl 5- ³ H]-, (Mepyramine)	250 µCi (9.25 MBq)	NET594250UC
20–30 Ci (0.74–1.11 TBq)/mmol		
1 mCi/mL		
Packaged in ethanol with 0.25% ascorbic acid in a silanized vial that protects contents from UV light.		
Shipped in dry ice. Store at -20 °C.		

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Product	Size	Product No.
Pyruvic acid, sodium salt, [1- ¹⁴ C]-	50 µCi (1.85 MBq)	NEC255050UC
5–20 mCi (185–740 MBq)/mmol	250 µCi (9.25 MBq)	NEC255250UC
Packaged in an aqueous solution.		
Shipped ambient. Store at 2–8 °C.		
Pyruvic acid, sodium salt, [2- ¹⁴ C]-	50 µCi (1.85 MBq)	NEC256050UC
10–40 mCi (0.37–1.48 GBq)/mmol	250 µCi (9.25 MBq)	NEC256250UC
Packaged in an aqueous solution.		
Shipped ambient. Store at 2–8 °C.		
PYY		
<i>See Peptide YY.</i>		
QRFP-43, [¹²⁵ I]-, (human)	10 µCi (370 kBq)	NEX408010UC
2200 Ci (81.4 TBq)/mmol	25 µCi (925 kBq)	NEX408025UC
Packaged in 0.1% TFA and 0.4% BSA:46% 1-propanol and 54% acetonitrile (1:1).		
Shipped in dry ice. Store at -20 °C.		
Fresh upon request.		
Quinpirole, [N-propyl- ³ H]-	25 µCi (925 kBq)	NET1085025UC
30–70 Ci (1.11–2.59 TBq)/mmol	250 µCi (9.25 MBq)	NET1085250UC
1 mCi/mL		
Packaged in ethanol under argon.		
Shipped in dry ice. Store at -20 °C.		
Quinuclidinyl benzilate, L-[benzyl-4,4'- ³ H]-	25 µCi (925 kBq)	NET656025UC
30–60 Ci (1.11–2.22 TBq)/mmol	250 µCi (9.25 MBq)	NET656250UC
1 mCi/mL	1 mCi (37 MBq)	NET656001MC
Packaged in ethanol under nitrogen in a vial that protects contents from UV light.		
Shipped in dry ice. Store at -20 °C.		
R1881		
<i>See Methyltrienolone.</i>		
R5020		
<i>See Promegestone.</i>		
Raclopride, [methoxy- ³ H]-	25 µCi (925 kBq)	NET975025UC
60–87 Ci (2.22–3.22 TBq)/mmol	250 µCi (9.25 MBq)	NET975250UC
1 mCi/mL	1 mCi (37 MBq)	NET975001MC
Packaged in ethanol under nitrogen in a vial that protects contents from UV light.		
Shipped in dry ice. Store at -20 °C.		
Radiolabeled nucleotides		
<i>See specific nucleotide of interest.</i>		
Radionuclides		
<i>See specific nuclide of interest.</i>		
RANTES, [¹²⁵ I]-, (human, recombinant)	5 µCi (185 kBq)	NEX292005UC
2200 Ci (81.4 TBq)/mmol	25 µCi (925 kBq)	NEX292025UC
Packaged lyophilized from sodium acetate containing sucrose, BSA and a stabilizer (pH 4.0–4.2).		
Shipped ambient. Store at 2–8 °C.		
Fresh lot: First Monday of each month.		
Rauwolscline, [methyl- ³ H]-	25 µCi (925 kBq)	NET722025UC
70–90 Ci (2.59–3.33 TBq)/mmol	250 µCi (9.25 MBq)	NET722250UC
1 mCi/mL	1 mCi (37 MBq)	NET722001MC
Packaged in ethanol containing 0.25% ascorbic acid under nitrogen in a vial that protects contents from UV light.		
Shipped in dry ice. Store at -80 °C.		

Radiochemicals Product Listing

Re–Rt

Product	Size	Product No.
H2 Relaxin, [¹²⁵ I]-, Bolton-Hunter labeled	10 µCi (370 kBq)	NEX409010UC
2200 Ci (81.4 TBq)/mmol	25 µCi (925 kBq)	NEX409025UC
Packaged in 50 mM sodium acetate (pH 4.0) containing 50 mM N-acetylmethionine, 5% sucrose and 0.25% BSA.		
Shipped in dry ice. Store at -20 °C.		
Fresh upon request.		
H3 Relaxin, [¹²⁵ I]-	10 µCi (370 kBq)	NEX418010UC
75–214 µCi (2.78–7.92 MBq)/µg	25 µCi (925 kBq)	NEX418025UC
Packaged in 0.1% TFA and 0.4% BSA:46% 1-propanol and 54% acetonitrile (1:1).		
Shipped in dry ice. Store at -20 °C.		
Fresh lot: Third Monday of each month.		
Resiniferatoxin, [¹²⁵ I]-	10 µCi (370 kBq)	NEX394010UC
2200 Ci (81.4 TBq)/mmol	25 µCi (925 kBq)	NEX394025UC
Packaged in ethanol.		
Shipped in dry ice. Store at -20 °C.		
Fresh upon request.		
Resiniferatoxin, [³ H]-	10 µCi (370 kBq)	NET1132010UC
30–60 Ci (1.11–2.22 TBq)/mmol	50 µCi (1.85 MBq)	NET1132050UC
Packaged in ethanol.		
Shipped in dry ice. Store at -20 °C.		
Retinoic acid, [11,12- ³ H(N)]-, all trans	100 µCi (3.7 MBq)	NET920100UC
30–60 Ci (1.11–2.22 TBq)/mmol	250 µCi (9.25 MBq)	NET920250UC
1 mCi/mL		
Packaged in ethanol containing 1 mg/mL D-α-tocopherol under argon in a vial that protects contents from UV light.		
Shipped in dry ice. Store at -80 °C.		
Retinol, [11,12- ³ H(N)]-, all trans	100 µCi (3.7 MBq)	NET927100UC
30–60 Ci (1.11–2.22 TBq)/mmol	250 µCi (9.25 MBq)	NET927250UC
1 mCi/mL	1 mCi (37 MBq)	NET927001MC
Packaged in ethanol containing 1 mg/mL D-α-tocopherol under argon in a vial that protects contents from UV light.		
Shipped in dry ice. Store at -80 °C.		
Reverse T ₃		
<i>See Triiodothyronine, L-3,3',5'.</i>		
RO 5-4864, [N-methyl- ³ H]-	250 µCi (9.25 MBq)	NET704250UC
70–90 Ci (2.59–3.33 TBq)/mmol		
1 mCi/mL		
Packaged in ethanol.		
Shipped in dry ice. Store at -20 °C.		
RO 15-1788, [N-methyl- ³ H]-	25 µCi (925 kBq)	NET757025UC
70–87 Ci (2.59–3.22 TBq)/mmol	250 µCi (9.25 MBq)	NET757250UC
1 mCi/mL	1 mCi (37 MBq)	NET757001MC
Packaged in ethanol.		
Shipped in dry ice. Store at -80 °C.		
RO 15-4513, [7,9- ³ H]-	250 µCi (9.25 MBq)	NET925250UC
20–40 Ci (0.74–1.48 TBq)/mmol		
1 mCi/mL		
Packaged in ethanol under nitrogen in a vial that protects contents from UV light.		
Shipped in dry ice. Store at -20 °C.		
RTI-121, [¹²⁵ I]-	25 µCi (925 kBq)	NEX318025UC
2200 Ci (81.4 TBq)/mmol	250 µCi (9.25 MBq)	NEX318250UC
Packaged in ethanol.		
Shipped ambient. Store at 2–8 °C.		
Fresh lot: Fourth Monday of even months.		

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Product	Size	Product No.
RTI-55, [¹²⁵ I]- 2200 Ci (81.4 TBq)/mmol Packaged in ethanol:water:acetonitrile (1:1:0.1). Shipped ambient. Store at 2–8 °C. Fresh lot: Fourth Monday of even months.	25 µCi (925 kBq) 250 µCi (9.25 MBq)	NEX272025UC NEX272250UC
Rubidium-86 radionuclide >1 Ci (37 GBq)/g Packaged in water. Shipped ambient. Store ambient. Half life: 18.66 days Fresh lot: Every 8 weeks.	1 mCi (37 MBq) 2 mCi (74 MBq) 5 mCi (185 MBq) 10 mCi (370 MBq)	NEZ072001MC NEZ072002MC NEZ072005MC NEZ072010MC
Ruthenium-103 microspheres, 15 µ 1–20 mCi (37–740 MBq)/g Packaged in normal saline, 10% dextran or 20% dextran; with or without 0.01% Tween-80®. Shipped ambient. Store at 2–8 °C.	100 µCi (3.7 MBq) 250 µCi (9.25 MBq) 500 µCi (18.5 MBq) 1 mCi (37 MBq)	NEM082A100UC NEM082A250UC NEM082A500UC NEM082A001MC
Ruthenium-103 radionuclide >3 Ci (111 GBq)/g Packaged in 6 M HCl. Shipped ambient. Store at 2–8 °C. Half life: 39.35 days	1 mCi (37 MBq) 2 mCi (74 MBq) 5 mCi (185 MBq) 10 mCi (370 MBq)	NEZ075001MC NEZ075002MC NEZ075005MC NEZ075010MC
Ryanodine, [9,21- ³ H(N)]- 50–100 Ci (1.85–3.7 TBq)/mmol 0.1 mCi/mL Packaged in ethanol under nitrogen in a silanized vial. Shipped in dry ice. Store at -20 °C.	25 µCi (925 kBq) 250 µCi (9.25 MBq) 1 mCi (37 MBq)	NET950025UC NET950250UC NET950001MC
S36057 (Tyr), [¹²⁵ I]- 2200 Ci (81.4 TBq)/mmol Packaged in 0.17 M acetic acid with 0.1 M N-acetylmethionine and 0.2% BSA:acetonitrile (9:1). Shipped in dry ice. Store at -20 °C. Fresh lot: Second Monday of each month.	10 µCi (370 kBq) 25 µCi (925 kBq)	NEX396010UC NEX396025UC
Salicylic acid, [7- ¹⁴ C]- 40–60 mCi (1.48–2.22 GBq)/mmol 0.1 mCi/mL Packaged in ethanol:water (2:8). Shipped ambient. Store at 2–8 °C.	50 µCi (1.85 MBq) 250 µCi (9.25 MBq)	NEC263050UC NEC263250UC
SAM (S-Adenosyl-L-methionine) <i>See Adenosyl-L-methionine.</i>		
Sauvagine (Tyr ⁹), [¹²⁵ I]- 2200 Ci (81.4 TBq)/mmol Packaged in acetonitrile:water (35:65).containing 2-mercaptoethanol, TFA and BSA. Shipped ambient. Store at 2–8 °C. Fresh lot: Fourth Monday of each month.	10 µCi (370 kBq) 50 µCi (1.85 MBq)	NEX306010UC NEX306050UC
Scandium-46 microspheres, 15 µ 1–20 mCi (37–740 MBq)/g Packaged in normal saline, 10% dextran or 20% dextran; with or without 0.01% Tween-80®. Shipped ambient. Store at 2–8 °C.	100 µCi (3.7 MBq) 250 µCi (9.25 MBq) 500 µCi (18.5 MBq) 1 mCi (37 MBq)	NEM072A100UC NEM072A250UC NEM072A500UC NEM072A001MC
Scandium-46 radionuclide >100 Ci (3.7 TBq)/g Packaged in 0.5 M HCl. Shipped ambient. Store ambient. Half life: 83.83 days	1 mCi (37 MBq) 2 mCi (74 MBq) 5 mCi (185 MBq) 10 mCi (370 MBq)	NEZ076001MC NEZ076002MC NEZ076005MC NEZ076010MC

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Sc–So

Product	Size	Product No.
SCH 23390, [N-methyl- ³ H]-	25 µCi (925 kBq)	NET930025UC
70–87 Ci (2.59–3.22 TBq)/mmol	250 µCi (9.25 MBq)	NET930250UC
1 mCi/mL	1 mCi (37 MBq)	NET930001MC
Packaged in ethanol under argon in a vial that protects contents from UV light. Shipped in dry ice. Store at -20 °C.		
Scopolamine methyl chloride, [N-methyl- ³ H]-	250 µCi (9.25 MBq)	NET636250UC
70–87 Ci (2.59–3.22 TBq)/mmol	1 mCi (37 MBq)	NET636001MC
1 mCi/mL		
Packaged in ethanol in a silanized vial. Shipped in dry ice. Store at -20 °C.		
SDF-1α, [¹²⁵ I]-, (human, recombinant)	5 µCi (185 kBq)	NEX346005UC
2200 Ci (81.4 TBq)/mmol	25 µCi (925 kBq)	NEX346025UC
Packaged in sodium acetate (pH 4.2) containing sucrose and BSA. Shipped in dry ice. Store at -20 °C. Fresh lot: Third Monday of each month.		
Senktide, [phenylalanyl-3,4,5- ³ H]-	50 µCi (1.85 MBq)	NET997050UC
45–90 Ci (1.66–3.33 TBq)/mmol	250 µCi (9.25 MBq)	NET997250UC
1 mCi/mL		
Packaged in 0.2% TFA, acetonitrile with 1% 2-mercaptoethanol and a stabilizer in a silanized vial. Air sensitive. Shipped in dry ice. Store at 2–8 °C.		
Serine, D-[³ H(G)]-	25 µCi (925 kBq)	NET1092025UC
15–40 Ci (0.555–1.48 TBq)/mmol	250 µCi (9.25 MBq)	NET1092250UC
1 mCi/mL		
Steri-packaged in ethanol:water (2:98). Not for human use. Shipped on blue ice. Store at 2–8 °C.		
Serine, L-[¹⁴ C(U)]-	50 µCi (1.85 MBq)	NEC286E050UC
>150 mCi (5.55 GBq)/mmol	250 µCi (9.25 MBq)	NEC286E250UC
0.1 mCi/mL		
Steri-packaged in ethanol:water (2:98). Not for human use. Shipped ambient. Store at 2–8 °C.		
Serine, L-[³ H(G)]-	250 µCi (9.25 MBq)	NET248250UC
15–40 Ci (0.555–1.48 TBq)/mmol	1 mCi (37 MBq)	NET248001MC
1 mCi/mL	5 mCi (185 MBq)	NET248005MC
Steri-packaged in ethanol:water (2:98). Not for human use. Shipped ambient. Store at 2–8 °C.		
Serotonin <i>See Hydroxytryptamine creatinine sulfate.</i>		
Serotonin binoxylate <i>See Hydroxytryptamine binoxalate.</i>		
SHU9119, [¹²⁵ I]-	10 µCi (370 kBq)	NEX362010UC
2200 Ci (81.4 TBq)/mmol	50 µCi (1.85 MBq)	NEX362050UC
Packaged in water:acetonitrile:propanol (50:27:23) containing TFA and BSA. Shipped in dry ice. Store at -20 °C. Fresh upon request.		
Sodium acetate <i>See Acetic acid, sodium salt.</i>		
Sodium bicarbonate, [¹⁴ C]-	50 µCi (1.85 MBq)	NEC086S050UC
8.4 mCi (311 MBq)/mmol	250 µCi (9.25 MBq)	NEC086S250UC
Steri-packaged in 1.0 mL aqueous solution (pH 9.5) in a sealed glass ampoule. Not for human use.		
Shipped ambient. Store at 2–8 °C.	500 µCi (18.5 MBq)	NEC086S500UC
	1 mCi (37 MBq)	NEC086S001MC

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Product	Size	Product No.
Sodium bicarbonate, [^{14}C]- 40–60 mCi (1.48–2.22 GBq)/mmol 1 mCi/mL Steri-packaged in 1.0 mL aqueous solution (pH 9.5) in a sealed glass ampoule. Not for human use. Shipped ambient. Store at 2–8 °C.	1 mCi (37 MBq) 5 mCi (185 MBq)	NEC086H001MC NEC086H005MC
Sodium borohydride, [^3H]- 5–15 Ci (185–555 GBq)/mmol Packaged as a crystalline solid under nitrogen in a silanized sealed ampoule. Shipped ambient. Store at -20 °C.	100 mCi (3.7 GBq)	NET023H100MC
Sodium borohydride, [^3H]- 100–1000 mCi (3.7–37 GBq)/mmol Packaged as a crystalline solid under nitrogen in a NENSure™ vial. Shipped ambient. Store at -20 °C.	5 mCi (185 MBq) 25 mCi (925 MBq) 100 mCi (3.7 GBq)	NET023005MC NET023025MC NET023100MC
Sodium cyanide, [^{14}C]- 40–60 mCi (1.48–2.22 GBq)/mmol Packaged as a crystalline solid, <10% alkali, in a vial that protects contents from UV light. Shipped ambient. Store at -20 °C.	1 mCi (37 MBq)	NEC477B001MC
Sodium-22 radionuclide 100–2000 Ci (3.7–74 TBq)/g Packaged as NaCl in water. Shipped ambient. Store ambient. Half life: 2.6 years	100 µCi (3.7 MBq) 500 µCi (18.5 MBq) 1 mCi (37 MBq) 2 mCi (74 MBq)	NEZ081100UC NEZ081500UC NEZ081001MC NEZ081002MC
Sodium tetrahydridoborate <i>See Sodium borohydride.</i>		
Somatomedin C <i>See Insulin-like Growth Factor.</i>		
Somatostatin (Tyr 11), [^{125}I]- 2200 Ci (81.4 TBq)/mmol Packaged lyophilized from 0.04 M sodium phosphate, 1 M glycine, 0.2 M sodium chloride, 0.25% BSA and 500 KIU/mL Trasylol® (pH 7.2). Shipped ambient. Store at 2–8 °C. Fresh lot: Fourth Monday of each month.	10 µCi (370 kBq) 50 µCi (1.85 MBq)	NEX389010UC NEX389050UC
Spermidine trihydrochloride, [terminal methylenes- $^3\text{H}(\text{N})$]- >15 Ci (555 GBq)/mmol 1 mCi/mL Packaged under nitrogen in 0.01 N HCl. Shipped ambient. Store at 2–8 °C.	1 mCi (37 MBq) 5 mCi (185 MBq)	NET522001MC NET522005MC
Spiroperidol <i>See Spiperone.</i>		
Sphingomyelin [choline methyl- ^3H]-, (egg) 60–90 Ci (2.22–3.33 TBq)/mmol 0.1 mCi/mL Packaged in toluene:methanol (1:1). Shipped in dry ice. Store at -20 °C.	10 µCi (370 kBq) 50 µCi (1.85 MBq) 250 µCi (9.25 MBq)	NET1134010UC NET1134050UC NET1134250UC
Sphingomyelin, [choline-methyl- ^{14}C]-, (bovine) 40–60 mCi (1.48–2.22 GBq)/mmol 0.02 mCi/mL Packaged in toluene:methanol (1:1) in a silanized vial. Shipped in dry ice. Store at -20 °C.	10 µCi (370 kBq) 25 µCi (925 kBq)	NEC663010UC NEC663025UC

Radiochemicals Product Listing

Sp–St

Product	Size	Product No.
Sphingosine, D-erythro-[3- ³ H]- 15–30 Ci (0.555–1.11 TBq)/mmol 0.1 mCi/mL Packaged in ethanol under argon in a silanized vial. Shipped in dry ice. Store at -20 °C.	50 µCi (1.85 MBq)	NET1072050UC
2'-Spiperone, [¹²⁵ I]iodo- 2200 Ci (81.4 TBq)/mmol Packaged in ethanol. Shipped in dry ice. Store at -20 °C. Fresh lot: Fourth Monday of even months.	50 µCi (1.85 MBq) 250 µCi (9.25 MBq)	NEX284050UC NEX284250UC
Spiperone, [benzene ring- ³ H]-, (Spiroperidol) 15–30 Ci (0.555–1.11 TBq)/mmol 1 mCi/mL Packaged in ethanol under argon in a vial that protects contents from UV light. Shipped in dry ice. Store at -80 °C.	25 µCi (925 kBq) 250 µCi (9.25 MBq) 1 mCi (37 MBq)	NET565025UC NET565250UC NET565001MC
SQ 29548, [5,6- ³ H]- 30–60 Ci (1.11–2.22 TBq)/mmol 0.1 mCi/mL Packaged in an ethanol:0.01 M phosphate buffer (pH 6.8) (1:1) under argon in a silanized vial. Shipped in dry ice. Store at -20 °C.	25 µCi (925 kBq) 250 µCi (9.25 MBq)	NET936025UC NET936250UC
SR 48968, [benzamide-4- ³ H]- 20–30 Ci (0.74–1.11 TBq)/mmol 1 mCi/mL Packaged in ethanol. Shipped in dry ice. Store at -20 °C.	25 µCi (925 kBq) 250 µCi (9.25 MBq)	NET1077025UC NET1077250UC
SR 95531, [butyryl-2,3- ³ H]- 30–60 Ci (1.11–2.22 TBq)/mmol 1 mCi/mL Packaged in ethanol under argon in a silanized vial. Shipped in dry ice. Store at -20 °C.	25 µCi (925 kBq) 250 µCi (9.25 MBq)	NET946025UC NET946250UC
SRS-A Precursor <i>See Leukotriene.</i>		
Starch, [¹⁴ C(U)]-, (<i>Nicotiana glauca</i> L.) 1.5–2 mCi (55.5–74 MBq)/mg 0.1 mCi/mL Packaged in water:ethanol (97:3). Shipped ambient. Store at 2–8 °C.	50 µCi (1.85 MBq)	NEC730050UC
Stromal Cell-derived Factor <i>See SDF-1α.</i>		
Strontium-85 microspheres, 15 µ 1–20 mCi (37–740 MBq)/g Packaged in normal saline, 10% dextran or 20% dextran; with or without 0.01% Tween-80®. Shipped ambient. Store at 2–8 °C.	100 µCi (3.7 MBq) 250 µCi (9.25 MBq) 500 µCi (18.5 MBq) 1 mCi (37 MBq)	NEM052A100UC NEM052A250UC NEM052A500UC NEM052A001MC
Strontium-85 radionuclide >3 Ci (111 GBq)/g Packaged in 0.5 M HCl. Shipped ambient. Store ambient. Half life: 64.84 days	500 µCi (18.5 MBq) 1 mCi (37 MBq) 2 mCi (74 MBq) 5 mCi (185 MBq) 10 mCi (370 MBq)	NEZ082500UC NEZ082001MC NEZ082002MC NEZ082005MC NEZ082010MC

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Product	Size	Product No.
Strychnine, [benzene-ring- ³ H]- 15–40 Ci (0.555–1.48 TBq)/mmol 1 mCi/mL Packaged in ethanol under nitrogen in vial that protects contents from UV light. Shipped in dry ice. Store at -20 °C.	250 µCi (9.25 MBq)	NET773250UC
Substance K <i>See Neurokinin A.</i>		
Substance P (Lys ³), [¹²⁵ I]-, Bolton-Hunter labeled 2200 Ci (81.4 TBq)/mmol Packaged in TEAP (pH 3.5):acetonitrile (73:27) containing 2-mercaptoethanol. Shipped in dry ice. Store at -20 °C. Fresh lot: Fourth Monday of each month.	10 µCi (370 kBq) 50 µCi (1.85 MBq)	NEX190010UC NEX190050UC
Substance P (Tyr ⁸), [¹²⁵ I]- 2200 Ci (81.4 TBq)/mmol Packaged in 1-propanol:tris-HCl buffer (pH 8.5) containing sodium chloride, BSA and Trasylol®. Shipped ambient. Store at 2–8 °C. Fresh lot: Third Monday of each month.	10 µCi (370 kBq) 50 µCi (1.85 MBq)	NEX152010UC NEX152050UC
Substance P (9-Sar, 11-Met(O ²)), [2-prolyl-3,4- ³ H]- 25–55 Ci (0.925–2.03 TBq)/mmol 1 mCi/mL Packaged in ethanol in a silanized vial. Shipped in dry ice. Store at -20 °C.	50 µCi (1.85 MBq) 250 µCi (9.25 MBq)	NET1025050UC NET1025250UC
Substance P, [leucyl-3,4,5- ³ H(N)]- >120 Ci (4.44 TBq)/mmol 0.1 mCi/mL Packaged in 0.1 N acetic acid:ethanol with 1% 2-mercaptoethanol and a stabilizer under argon in a silanized vial. Shipped in dry ice. Store at -20 °C.	250 µCi (9.25 MBq)	NET1115250UC
Sucrose, [¹⁴ C(U)]- 400–700 mCi (14.8–25.9 GBq)/mmol 0.1 mCi/mL Packaged in ethanol:water (9:1). Shipped ambient. Store at 2–8 °C.	50 µCi (1.85 MBq) 250 µCi (9.25 MBq) 1 mCi (37 MBq)	NEC100X050UC NEC100X250UC NEC100X001MC
Sulfur-35 radionuclide 250–1000 mCi (9.25–37 GBq)/mmol Packaged as sodium sulfate in 1 mL water. Shipped ambient. Store ambient. Half life: 87.4 days Fresh lot: Every 4 weeks.	1 mCi (37 MBq) 2 mCi (74 MBq) 5 mCi (185 MBq) 10 mCi (370 MBq) 25 mCi (925 MBq)	NEX041001MC NEX041002MC NEX041005MC NEX041010MC NEX041025MC
Sulfur-35 radionuclide 1050–1600 Ci (38.8–59.2 TBq)/mmol Packaged as sodium sulfate in 1 mL water. Shipped ambient. Store ambient. Half life: 87.4 days Fresh lot: Every 4 weeks.	1 mCi (37 MBq) 2 mCi (74 MBq) 5 mCi (185 MBq) 10 mCi (370 MBq) 25 mCi (925 MBq)	NEX041H001MC NEX041H002MC NEX041H005MC NEX041H010MC NEX041H025MC
Sulfur-35 radionuclide 1050–1600 Ci (38.8–59.2 TBq)/mmol Packaged as sulfuric acid in 1 mL water. Shipped ambient. Store ambient. Half life: 87.4 days Fresh lot: Every 4 weeks.	1 mCi (37 MBq) 2 mCi (74 MBq) 5 mCi (185 MBq) 10 mCi (370 MBq) 25 mCi (925 MBq)	NEX042001MC NEX042002MC NEX042005MC NEX042010MC NEX042025MC

Radiochemicals Product Listing

Su–Te

Product	Size	Product No.
(-)Sulpiride, [methoxy- ³ H]- 60–87 Ci (2.22–3.22 TBq)/mmol 1 mCi/mL Packaged in ethanol under nitrogen in a vial that protects contents from UV light. Shipped in dry ice. Store at -20 °C.	250 µCi (9.25 MBq)	NET775250UC
T ₃ <i>See Triiodothyronine, L-3,5',3'.</i>		
T ₄ <i>See Thyroxine.</i>		
TARC, [¹²⁵ I]-, (human, recombinant) 2200 Ci (81.4 TBq)/mmol Packaged in sodium acetate buffer (pH 4.2) containing sucrose and BSA. Shipped in dry ice. Store at -20 °C. Fresh lot: Second Monday of each month.	10 µCi (370 kBq) 25 µCi (925 kBq)	NEX369010UC NEX369025UC
Taurocholic acid, [³ H(G)]- 1–5 Ci (37–185 GBq)/mmol 1 mCi/mL Packaged in methanol:ethanol (1:3). Shipped ambient. Store at 2–8 °C.	250 µCi (9.25 MBq) 1 mCi (37 MBq)	NET322250UC NET322001MC
TBPS <i>See Butyl bicyclopophosphorothionate.</i>		
TCP, N-(1-(2 thienyl)cyclohexyl)-3,4-piperidine, [piperidyl-3,4- ³ H(N)]- 40–60 Ci (1.48–2.22 TBq)/mmol 1 mCi/mL Packaged in ethanol under nitrogen in a vial that protects contents from UV light. Shipped in dry ice. Store at -20 °C.	25 µCi (925 kBq) 250 µCi (9.25 MBq) 1 mCi (37 MBq)	NET886025UC NET886250UC NET886001MC
Testosterone, [1,2,6,7,16,17- ³ H(N)]- 100–180 Ci (3.7–6.66 TBq)/mmol 1 mCi/mL Packaged in ethanol. Shipped in dry ice. Store at -20 °C.	250 µCi (9.25 MBq) 1 mCi (37 MBq)	NET553250UC NET553001MC
Testosterone, [1,2,6,7- ³ H(N)]- 85–105 Ci (3.15–3.89 TBq)/mmol 1 mCi/mL Packaged in ethanol. Shipped in dry ice. Store at -20 °C.	250 µCi (9.25 MBq) 1 mCi (37 MBq)	NET370250UC NET370001MC
Testosterone, [4- ¹⁴ C]- 45–60 mCi (1.66–2.22 GBq)/mmol 0.04 mCi/mL Packaged in ethanol. Shipped ambient. Store at 2–8 °C.	10 µCi (370 kBq) 50 µCi (1.85 MBq) 250 µCi (9.25 MBq)	NEC101010UC NEC101050UC NEC101250UC
Tetracycline, [7- ³ H(N)]- 0.2–2.0 Ci (7.4–74 GBq)/mmol 1 mCi/mL Packaged as a crystalline solid in a vial that protects contents from UV light. Shipped in dry ice. Store at -20 °C.	250 µCi (9.25 MBq) 1 mCi (37 MBq) 5 mCi (185 MBq)	NET141250UC NET141001MC NET141005MC
Tetradecanoic acid <i>See Myristic acid.</i>		

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Product	Size	Product No.
Tetraethylammonium bromide, [1- ¹⁴ C]-	50 µCi (1.85 MBq)	NEC298050UC
1–5 mCi (37–185 MBq)/mmol	250 µCi (9.25 MBq)	NEC298250UC
0.1 mCi/mL		
Packaged in ethanol in a silanized vial.		
Shipped ambient. Store at 2–8 °C.		
Tetralone, 2-[β-(4-Hydroxy-3-iodophenyl-ethylamino methyl)]		
See HEAT.		
TGF		
See Transforming Growth Factor.		
Thioadenosine triphosphate		
See Adenosine 5'-(α-thio) triphosphate.		
Thioguanosine triphosphate		
See Guanosine 5'-(α-thio) triphosphate.		
Thymidine, [2- ¹⁴ C]-	10 µCi (370 kBq)	NEC156010UC
>50 mCi (1.85 GBq)/mmol	50 µCi (1.85 MBq)	NEC156050UC
0.1 mCi/mL	250 µCi (9.25 MBq)	NEC156250UC
Steri-packaged in an aqueous solution. Not for human use.		
Shipped ambient. Store at 2–8 °C.		
Thymidine, [methyl- ¹⁴ C]-	50 µCi (1.85 MBq)	NEC568050UC
40–60 mCi (1.48–2.22 GBq)/mmol	250 µCi (9.25 MBq)	NEC568250UC
0.1 mCi/mL		
Steri-packaged in an aqueous solution. Not for human use.		
Shipped ambient. Store at 2–8 °C.		
Thymidine, [6- ³ H]-	250 µCi (9.25 MBq)	NET355250UC
>10 Ci (370 GBq)/mmol	1 mCi (37 MBq)	NET355001MC
1 mCi/mL	5 mCi (185 MBq)	NET355005MC
Steri-packaged in an aqueous solution. Not for human use.		
Shipped ambient. Store at 2–8 °C.		
Thymidine, [methyl- ³ H]-	250 µCi (9.25 MBq)	NET027A250UC
2 Ci (74 GBq)/mmol	1 mCi (37 MBq)	NET027A001MC
1 mCi/mL	5 mCi (185 MBq)	NET027A005MC
Steri-packaged in an aqueous solution. Not for human use.		
Shipped ambient. Store at 2–8 °C.		
Thymidine, [methyl- ³ H]-	250 µCi (9.25 MBq)	NET027250UC
6.7 Ci (248 GBq)/mmol	1 mCi (37 MBq)	NET027001MC
1 mCi/mL	5 mCi (185 MBq)	NET027005MC
Steri-packaged in an aqueous solution. Not for human use.		
Shipped ambient. Store at 2–8 °C.		
Thymidine, [methyl- ³ H]-	250 µCi (9.25 MBq)	NET027E250UC
20 Ci (740 GBq)/mmol	1 mCi (37 MBq)	NET027E001MC
1 mCi/mL	5 mCi (185 MBq)	NET027E005MC
Packaged in ethanol:water (7:3).		
Shipped ambient. Store at -20 °C.		
Thymidine, [methyl- ³ H]-	250 µCi (9.25 MBq)	NET027X250UC
20 Ci (740 GBq)/mmol	1 mCi (37 MBq)	NET027X001MC
1 mCi/mL	5 mCi (185 MBq)	NET027X005MC
Steri-packaged in an aqueous solution. Not for human use.		
Shipped ambient. Store at 2–8 °C.		

Radiochemicals Product Listing

Th–Th

Product	Size	Product No.
Thymidine, [methyl- ³ H]- 70–90 Ci (2.59–3.33 TBq)/mmol 1 mCi/mL Steri-packaged in an aqueous solution. Not for human use. Shipped ambient. Store at 2–8 °C.	250 µCi (9.25 MBq) 1 mCi (37 MBq) 5 mCi (185 MBq)	NET027Z250UC NET027Z001MC NET027Z005MC
Thymidine 5'-(α-thio) triphosphate Non-labeled material. Packaged as a stabilized aqueous solution. Shipped in dry ice. Store at -20 °C or below. Fresh lot: First Tuesday of each month.	2 µmol 5 µmol 25 µmol 100 µmol	NLP013002UM NLP013005UM NLP013025UM NLP013100UM
Thymidine 5'-triphosphate, tetrasodium salt, [methyl- ³ H]- 10–25 Ci (370–925 GBq)/mmol 1 mCi/mL Packaged in ethanol:water (1:1). Shipped in dry ice. Store at -20 °C.	250 µCi (9.25 MBq) 1 mCi (37 MBq) 5 mCi (185 MBq)	NET221H250UC NET221H001MC NET221H005MC
Thymidine 5'-triphosphate, tetrasodium salt, [methyl- ³ H]- 70–90 Ci (2.59–3.33 TBq)/mmol 1 mCi/mL Packaged in ethanol:water (1:1). Shipped in dry ice. Store at -20 °C.	250 µCi (9.25 MBq) 1 mCi (37 MBq) 5 mCi (185 MBq)	NET221X250UC NET221X001MC NET221X005MC
Thymidine 5'-triphosphate, tetrasodium salt, [methyl- ³ H]- 70–90 Ci (2.59–3.33 TBq)/mmol 2.5 mCi/mL Packaged in 10 mM tricine buffer (pH 7.6). Shipped in dry ice. Store at -80 °C.	250 µCi (9.25 MBq) 1 mCi (37 MBq) 5 mCi (185 MBq)	NET221A250UC NET221A001MC NET221A005MC
Thymidine 5'-triphosphate, tetrasodium salt, [methyl, 1',2'- ³ H]- 90–120 Ci (3.33–4.44 TBq)/mmol 2.5 mCi/mL Packaged in 10 mM tricine buffer (pH 7.6). Shipped in dry ice. Store at -80 °C.	250 µCi (9.25 MBq) 1 mCi (37 MBq) 5 mCi (185 MBq)	NET520A250UC NET520A001MC NET520A005MC
Thymidine 5'-triphosphate, [α- ³² P]-, (EasyTides) 800 Ci (29.6 TBq)/mmol 10 mCi/mL Packaged in 50 mM tricine buffer (pH 7.6) with green dye. Lead-free packaging. Shipped ambient. Store at 2–8 °C or below. Fresh lot: Every Monday and Thursday.	250 µCi (9.25 MBq)	BLU505A250UC
Thymidine 5'-triphosphate, [α- ³² P]- 800 Ci (29.6 TBq)/mmol 10 mCi/mL Packaged in 10 mM tricine buffer (pH 7.6). Lead-free packaging. Shipped in dry ice. Store at -20 °C or below. Fresh lot: Every Monday and Thursday.	250 µCi (9.25 MBq) 1 mCi (37 MBq)	BLU005A250UC BLU005A001MC
Thymidine 5'-triphosphate, [α- ³² P]-, (EasyTides) 3000 Ci (111 TBq)/mmol 10 mCi/mL Packaged in 50 mM tricine buffer (pH 7.6) with green dye. Lead-free packaging. Shipped ambient. Store at 2–8 °C or below. Fresh lot: Every Monday and Thursday.	250 µCi (9.25 MBq) 500 µCi (18.5 MBq) 1 mCi (37 MBq)	BLU505H250UC BLU505H500UC BLU505H001MC

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Product	Size	Product No.
Thymidine 5'-triphosphate, [α - 32 P]-	250 μ Ci (9.25 MBq)	BLU005H250UC
3000 Ci (111 TBq)/mmol	500 μ Ci (18.5 MBq)	BLU005H500UC
10 mCi/mL	1 mCi (37 MBq)	BLU005H001MC
Packaged in 10 mM tricine buffer (pH 7.6). Lead-free packaging.		
Shipped in dry ice. Store at -20 °C or below.		
Fresh lot: Every Monday and Thursday.		
Thymidine 5'-triphosphate, [α - 32 P]-	250 μ Ci (9.25 MBq)	NEG005H250UC
3000 Ci (111 TBq)/mmol	500 μ Ci (18.5 MBq)	NEG005H500UC
10 mCi/mL	1 mCi (37 MBq)	NEG005H001MC
Packaged in 10 mM tricine buffer (pH 7.6). Shipped in lead.		
Shipped in dry ice. Store at -20 °C or below.		
Fresh lot: Every Monday and Thursday.		
Thymidine 5'-triphosphate, [α - 33 P]-, (EasyTides)	1 mCi (37 MBq)	NEG605H001MC
3000 Ci (111 TBq)/mmol		
10 mCi/mL		
Packaged in 50 mM tricine buffer (pH 7.6) with amber gold dye.		
Shipped ambient. Store at 2–8 °C or below.		
Fresh lot: Every Friday.		
Thyrotropin Releasing Hormone (3-methyl-histidine 2), [L-histidyl-4- 3 H(N), L-propyl-3,4- 3 H(N)]-, ([3 H]-TRH)	50 μ Ci (1.85 MBq)	NET705050UC
50–90 Ci (1.85–3.33 TBq)/mmol	250 μ Ci (9.25 MBq)	NET705250UC
1 mCi/mL		
Packaged in ethanol in a silanized vial.		
Shipped in dry ice. Store at 2–8 °C.		
Thyrotropin Releasing Hormone (His 2), [125 I]-, ([125 I]-TRH)	10 μ Ci (370 kBq)	NEX153010UC
2200 Ci (81.4 TBq)/mmol		
Packaged in 1-propanol:water (1:1).		
Shipped ambient. Store at 2–8 °C.		
Fresh lot: Second Monday of even months.		
Thyroxine, L-, [125 I]-, ([125 I]-T $_4$)	100 μ Ci (3.7 MBq)	NEX111100UC
135–165 μ Ci (5–6.11 MBq)/ μ g	250 μ Ci (9.25 MBq)	NEX111250UC
Packaged in 1-propanol:water (1:1) in a vial that protects contents from UV light.	500 μ Ci (18.5 MBq)	NEX111500UC
Shipped ambient. Store at 2–8 °C.		
Fresh lot: Third Monday of each month.		
Thyroxine, L-, [125 I]-, ([125 I]-T $_4$)	100 μ Ci (3.7 MBq)	NEX111H100UC
1080–1320 μ Ci (40.0–48.8 MBq)/ μ g	250 μ Ci (9.25 MBq)	NEX111H250UC
Packaged, shipped and stored same as NEX111.	500 μ Ci (18.5 MBq)	NEX111H500UC
Fresh lot: Third Monday of each month.		
Thyroxine, L-, [125 I]-, ([125 I]-T $_4$)	100 μ Ci (3.7 MBq)	NEX111X100UC
5700 μ Ci (210 MBq)/ μ g	500 μ Ci (18.5 MBq)	NEX111X500UC
Packaged, shipped and stored same as NEX111.		
Fresh lot: Third Monday of each month.		
Tiotidine, [methyl- 3 H]-, (ICI 125,211)	25 μ Ci (925 kBq)	NET688025UC
70–90 Ci (2.59–3.33 TBq)/mmol	250 μ Ci (9.25 MBq)	NET688250UC
1 mCi/mL		
Packaged in ethanol under nitrogen in a silanized vial.		
Shipped in dry ice. Store at -80 °C.		
Transferrin, [125 I]-, diferric, (human)	10 μ Ci (370 kBq)	NEX212010UC
0.3–1 μ Ci (11.1–37 kBq)/ μ g	50 μ Ci (1.85 MBq)	NEX212050UC
Packaged in phosphate-buffered-saline containing BSA.		
Shipped ambient. Store at 2–8 °C.		
Fresh lot: Second Monday of each month.		

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Radiochemicals Product Listing

Tr–Tu

Product	Size	Product No.
Transforming Growth Factor, β 1, [125 I]-, ([125 I]-TGF β 1), (human, recombinant)	5 μ Ci (185 kBq)	NEX267005UC
3000–4500 Ci (111–166 TBq)/mmol	10 μ Ci (370 kBq)	NEX267010UC
Packaged in sodium acetate (pH 4.0) containing sucrose, BSA and a stabilizer in a Sigma Cote™ treated vial.	25 μ Ci (925 kBq)	NEX267025UC
Shipped in dry ice. Store at -80 °C.		
Fresh lot: Fourth Monday of each month.		
TRH		
<i>Thyrotropin Releasing Hormone.</i>		
Triiodothyronine, L-3,3',5'-[125 I]-, ([125 I]-Reverse T ₃)	250 μ Ci (9.25 MBq)	NEX109250UC
750–1250 μ Ci (27.8–46.3 MBq)/ μ g	500 μ Ci (18.5 MBq)	NEX109500UC
Packaged in 1-propanol:water (1:1) in a vial that protects contents from UV light.		
Shipped ambient. Store at 2–8 °C.		
Fresh lot: Fourth Monday of each month.		
Triiodothyronine, L-3,5,3'-[125 I]-, ([125 I]-T ₃)	100 μ Ci (3.7 MBq)	NEX110100UC
135–165 μ Ci (5–6.11 MBq)/ μ g	250 μ Ci (9.25 MBq)	NEX110250UC
Packaged in 1-propanol:water (1:1) in a vial that protects contents from UV light.	500 μ Ci (18.5 MBq)	NEX110500UC
Shipped ambient. Store at 2–8 °C.		
Fresh lot: Third Monday of each month.		
Triiodothyronine, L-3,5,3'-[125 I]-, ([125 I]-T ₃)	100 μ Ci (3.7 MBq)	NEX110H100UC
1080–1320 μ Ci (40–48.8 MBq)/ μ g	250 μ Ci (9.25 MBq)	NEX110H250UC
Packaged in 1-propanol:water (1:1) in a vial that protects contents from UV light.	500 μ Ci (18.5 MBq)	NEX110H500UC
Shipped ambient. Store at 2–8 °C.		
Fresh lot: Third Monday of each month.		
Triiodothyronine, L-3,5,3'-[125 I]-, ([125 I]-T ₃)	100 μ Ci (3.7 MBq)	NEX110X100UC
3300 μ Ci (122 MBq)/ μ g	250 μ Ci (9.25 MBq)	NEX110X250UC
Packaged in 1-propanol:water (1:1) in a vial that protects contents from UV light.	500 μ Ci (18.5 MBq)	NEX110X500UC
Shipped ambient. Store at 2–8 °C.		
Fresh lot: Third Monday of each month.		
Triolein, [carboxyl- 14 C]-	50 μ Ci (1.85 MBq)	NEC674050UC
80–120 mCi (2.96–4.44 GBq)/mmol	250 μ Ci (9.25 MBq)	NEC674250UC
0.1 mCi/mL		
Packaged in toluene:ethanol (1:1) under nitrogen in a silanized vial.		
Shipped in dry ice. Store at -20 °C.		
Triolein, [9,10- 3 H(N)]-	1 mCi (37 MBq)	NET431001MC
30–120 Ci (1.11–4.44 TBq)/mmol	5 mCi (185 MBq)	NET431005MC
0.5 mCi/mL		
Packaged in toluene:ethanol (1:1) under nitrogen in a silanized vial.		
Shipped in dry ice. Store at -20 °C.		
Tryptophan, L-[side chain-3- 14 C]-	10 μ Ci (370 kBq)	NEC367010UC
40–60 mCi (1.48–2.22 GBq)/mmol	50 μ Ci (1.85 MBq)	NEC367050UC
0.02 mCi/mL		
Steri-packaged in ethanol:water (2:98). Not for human use.		
Shipped on blue ice. Store at 2–8 °C.		
Tumor Necrosis Factor- α , [125 I]-, ([125 I]-rTNF α), (human, recombinant)	5 μ Ci (185 kBq)	NEX257005UC
>30 μ Ci (1.11 MBq)/ μ g	10 μ Ci (370 kBq)	NEX257010UC
Packaged in a tris-HCl buffer (pH 7.5) containing BSA and a stabilizer in a Sigma Cote™ treated vial.	25 μ Ci (925 kBq)	NEX257025UC
Shipped in dry ice. Store at -80 °C.		
Fresh lot: Fourth Monday of each month.		

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Product	Size	Product No.
Tyrosine, L-[ring-3,5- ³ H]-	250 µCi (9.25 MBq)	NET127250UC
40–60 Ci (1.48–2.22 TBq)/mmol	1 mCi (37 MBq)	NET127001MC
1 mCi/mL	5 mCi (185 MBq)	NET127005MC
Steri-packaged in ethanol:water (2:98). Not for human use.		
Shipped ambient. Store at 2–8 °C.		
U-69,593, [phenyl-3,4- ³ H]-	25 µCi (925 kBq)	NET952025UC
30–60 Ci (1.11–2.22 TBq)/mmol	250 µCi (9.25 MBq)	NET952250UC
1 mCi/mL		
Packaged in ethanol.		
Shipped in dry ice. Store at -20 °C.		
Ubiquitin, [¹²⁵ I]-	10 µCi (370 kBq)	NEX404010UC
2200 Ci/ (81.4 TBq)/mmol	25 µCi (925 kBq)	NEX404025UC
Packaged in a solution containing 0.36% BSA in water:ethanol (70:30) with 0.4% acetic acid.		
Shipped in dry ice. Store at -20 °C.		
Fresh upon request.		
UK-14,304, [imidazolyl-4,5- ³ H]-	250 µCi (9.25 MBq)	NET853250UC
25–100 Ci (0.925–3.7 TBq)/mmol		
1 mCi/mL		
Packaged in ethanol under nitrogen.		
Shipped in dry ice. Store at -20 °C.		
Uracil, [5,6- ³ H]-	250 µCi (9.25 MBq)	NET368250UC
30–50 Ci (1.11–1.85 TBq)/mmol	1 mCi (37 MBq)	NET368001MC
1 mCi/mL	5 mCi (185 MBq)	NET368005MC
Steri-packaged in an aqueous solution. Not for human use.		
Shipped ambient. Store at 2–8 °C.		
Uridine, [5- ³ H]-	250 µCi (9.25 MBq)	NET174250UC
>20 Ci (740 GBq)/mmol	1 mCi (37 MBq)	NET174001MC
1 mCi/mL	5 mCi (185 MBq)	NET174005MC
Steri-packaged in an aqueous solution. Not for human use.		
Shipped ambient. Store at 2–8 °C.		
Uridine, [5,6- ³ H]-	250 µCi (9.25 MBq)	NET367250UC
35–50 Ci (1.29–1.85 TBq)/mmol	1 mCi (37 MBq)	NET367001MC
1 mCi/mL	5 mCi (185 MBq)	NET367005MC
Steri-packaged in an aqueous solution. Not for human use.		
Shipped ambient. Store at 2–8 °C.		
Uridine diphosphate N-acetyl-D-glucosamine, [glucosamine-6- ³ H(N)]-	50 µCi (1.85 MBq)	NET434050UC
20–45 Ci (0.74–1.66 TBq)/mmol	250 µCi (9.25 MBq)	NET434250UC
0.1 mCi/mL		
Packaged in ethanol:water (7:3).		
Shipped in dry ice. Store at -20 °C.		
Uridine diphosphate N-acetyl-D-glucosamine, [glucosamine- ¹⁴ C(U)]-	5 µCi (185 kBq)	NEC664005UC
>200 mCi (7.4 GBq)/mmol	25 µCi (925 kBq)	NEC664025UC
0.01 mCi/mL		
Packaged in ethanol:water (7:3).		
Shipped in dry ice. Store at -20 °C.		
Uridine diphosphate galactose, [galactose- ¹⁴ C(U)]-	10 µCi (370 kBq)	NEC429010UC
250–360 mCi (9.25–13.3 GBq)/mmol	50 µCi (1.85 MBq)	NEC429050UC
0.02 mCi/mL		
Packaged in ethanol:water (7:3).		
Shipped in dry ice. Store at -20 °C.		

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Product	Size	Product No.
Uridine diphosphate glucose, [glucose- ¹⁴ C(U)]-	10 µCi (370 kBq)	NEC403010UC
>200 mCi (7.4 GBq)/mmol	50 µCi (1.85 MBq)	NEC403050UC
0.02 mCi/mL		
Packaged in ethanol:water (7:3).		
Shipped in dry ice. Store at -20 °C.		
Uridine diphosphate glucuronic acid, [glucuronyl- ¹⁴ C(U)]-	10 µCi (370 kBq)	NEC414010UC
>180 mCi (6.66 GBq)/mmol	50 µCi (1.85 MBq)	NEC414050UC
0.02 mCi/mL		
Packaged in ethanol:water (7:3).		
Shipped in dry ice. Store at -20 °C.		
Uridine diphosphate xylose, [xylose- ¹⁴ C(U)]-	5 µCi (185 kBq)	NEC543005UC
200–300 mCi (7.4–11.1 GBq)/mmol	25 µCi (925 kBq)	NEC543025UC
0.01 mCi/mL		
Packaged in ethanol:water (7:3).		
Shipped in dry ice. Store at -20 °C.		
Uridine 5'-(α-thio) triphosphate, [³⁵ S]-	1 mCi (37 MBq)	NEG039C001MC
800 Ci (29.6 TBq)/mmol		
40 mCi/mL		
Packaged as a stabilized aqueous solution.		
Shipped in dry ice. Store at -20 °C or below.		
Fresh lot: First Tuesday of each month.		
Uridine 5'-(α-thio) triphosphate, [³⁵ S]-, (EasyTides)	250 µCi (9.25 MBq)	NEG739H250UC
1250 Ci (46.2 TBq)/mmol	1 mCi (37 MBq)	NEG739H001MC
12.5 mCi/mL		
Packaged as a stabilized aqueous solution with a blue dye.		
Shipped ambient. Store at 2–8 °C or below.		
Fresh lot: First Tuesday of each month.		
Uridine 5'-(α-thio) triphosphate, [³⁵ S]-	250 µCi (9.25 MBq)	NEG039H250UC
1250 Ci (46.2 TBq)/mmol	1 mCi (37 MBq)	NEG039H001MC
12.5 mCi/mL		
Packaged as a stabilized aqueous solution.		
Shipped in dry ice. Store at -20 °C or below.		
Fresh lot: First Tuesday of each month.		
Uridine 5'-triphosphate, tetrasodium salt, [5,6- ³ H]-	250 µCi (9.25 MBq)	NET380250UC
35–50 Ci (1.29–1.85 TBq)/mmol	1 mCi (37 MBq)	NET380001MC
1 mCi/mL	5 mCi (185 MBq)	NET380005MC
Packaged in ethanol:water (1:1).		
Shipped in dry ice. Store at -20 °C.		
Uridine 5'-triphosphate, [α- ³² P]-, (EasyTides)	250 µCi (9.25 MBq)	BLU507X250UC
800 Ci (29.6 TBq)/mmol	500 µCi (18.5 MBq)	BLU507X500UC
10 mCi/mL	1 mCi (37 MBq)	BLU507X001MC
Packaged in 50 mM tricine buffer (pH 7.6) with green dye. Lead-free packaging.		
Shipped ambient. Store at 2–8 °C or below.		
Fresh lot: Every Monday and Thursday.		
Uridine 5'-triphosphate, [α- ³² P]-, (EasyTides)	250 µCi (9.25 MBq)	NEG507X250UC
800 Ci (29.6 TBq)/mmol	500 µCi (18.5 MBq)	NEG507X500UC
10 mCi/mL	1 mCi (37 MBq)	NEG507X001MC
Packaged in 50 mM tricine buffer (pH 7.6) with green dye. Shipped in lead.		
Shipped ambient. Store at 2–8 °C or below.		
Fresh lot: Every Monday and Thursday.		

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Product	Size	Product No.
Uridine 5'-triphosphate, [α - 32 P]-	250 μ Ci (9.25 MBq)	BLU007X250UC
800 Ci (29.6 TBq)/mmol	500 μ Ci (18.5 MBq)	BLU007X500UC
10 mCi/mL	1 mCi (37 MBq)	BLU007X001MC
Packaged in 50 mM tricine buffer (pH 7.6). Lead-free packaging.		
Shipped in dry ice. Store at -20 °C or below.		
Fresh lot: Every Monday and Thursday.		
Uridine 5'-triphosphate, [α - 32 P]-	250 μ Ci (9.25 MBq)	NEG007X250UC
800 Ci (29.6 TBq)/mmol	500 μ Ci (18.5 MBq)	NEG007X500UC
10 mCi/mL	1 mCi (37 MBq)	NEG007X001MC
Packaged in 50 mM tricine buffer (pH 7.6). Shipped in lead.		
Shipped in dry ice. Store at -20 °C or below.		
Fresh lot: Every Monday and Thursday.		
Uridine 5'-triphosphate, [α - 32 P]-, (EasyTides)	250 μ Ci (9.25 MBq)	BLU507T250UC
800 Ci (29.6 TBq)/mmol	500 μ Ci (18.5 MBq)	BLU507T500UC
20 mCi/mL	1 mCi (37 MBq)	BLU507T001MC
Packaged in 50 mM tricine buffer (pH 7.6) with green dye. Lead-free packaging.		
Shipped ambient. Store at 2–8 °C or below.		
Fresh lot: Every Monday and Thursday.		
Uridine 5'-triphosphate, [α - 32 P]-, (EasyTides)	250 μ Ci (9.25 MBq)	NEG507T250UC
800 Ci (29.6 TBq)/mmol	500 μ Ci (18.5 MBq)	NEG507T500UC
20 mCi/mL	1 mCi (37 MBq)	NEG507T001MC
Packaged in 50 mM tricine buffer (pH 7.6) with green dye. Shipped in lead.		
Shipped ambient. Store at 2–8 °C or below.		
Fresh lot: Every Monday and Thursday.		
Uridine 5'-triphosphate, [α - 32 P]-, (EasyTides)	1 mCi (37 MBq)	NEG507C001MC
800 Ci (29.6 TBq)/mmol		
40 mCi/mL		
Packaged in 50 mM tricine buffer (pH 7.6) with green dye. Shipped in lead.		
Shipped ambient. Store at 2–8 °C or below.		
Fresh lot: Every Monday and Thursday.		
Uridine 5'-triphosphate, [α - 32 P]-	1 mCi (37 MBq)	NEG007C001MC
800 Ci (29.6 TBq)/mmol		
40 mCi/mL		
Packaged in 50 mM tricine buffer (pH 7.6). Shipped in lead.		
Shipped in dry ice. Store at -20 °C or below.		
Fresh lot: Every Monday and Thursday.		
Uridine 5'-triphosphate, [α - 32 P]-, (EasyTides)	250 μ Ci (9.25 MBq)	BLU507H250UC
3000 Ci (111 TBq)/mmol	500 μ Ci (18.5 MBq)	BLU507H500UC
10 mCi/mL	1 mCi (37 MBq)	BLU507H001MC
Packaged in 50 mM tricine buffer (pH 7.6) with green dye. Lead-free packaging.		
Shipped ambient. Store at 2–8 °C or below.		
Fresh lot: Every Monday and Thursday.		
Uridine 5'-triphosphate, [α - 32 P]-, (EasyTides)	250 μ Ci (9.25 MBq)	NEG507H250UC
3000 Ci (111 TBq)/mmol	500 μ Ci (18.5 MBq)	NEG507H500UC
10 mCi/mL	1 mCi (37 MBq)	NEG507H001MC
Packaged in 50 mM tricine buffer (pH 7.6) with green dye. Shipped in lead.		
Shipped ambient. Store at 2–8 °C or below.		
Fresh lot: Every Monday and Thursday.		

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Product	Size	Product No.
Uridine 5'-triphosphate, [α - 32 P]- 3000 Ci (111 TBq)/mmol 10 mCi/mL Packaged in 50 mM tricine buffer (pH 7.6). Lead-free packaging. Shipped in dry ice. Store at -20 °C or below. Fresh lot: Every Monday and Thursday.	250 μ Ci (9.25 MBq) 500 μ Ci (18.5 MBq) 1 mCi (37 MBq)	BLU007H250UC BLU007H500UC BLU007H001MC
Uridine 5'-triphosphate, [α - 32 P]- 3000 Ci (111 TBq)/mmol 10 mCi/mL Packaged in 50 mM tricine buffer (pH 7.6). Shipped in lead. Shipped in dry ice. Store at -20 °C or below. Fresh lot: Every Monday and Thursday.	250 μ Ci (9.25 MBq) 500 μ Ci (18.5 MBq) 1 mCi (37 MBq)	NEG007H250UC NEG007H500UC NEG007H001MC
Uridine 5'-triphosphate, [α - 32 P]-, (EasyTides) 6000 Ci (222 TBq)/mmol 40 mCi/mL Packaged in 50 mM tricine buffer (pH 7.6) with green dye. Lead-free packaging. Shipped ambient. Store at 2–8 °C or below. Fresh lot: Every Monday and Thursday.	1 mCi (37 MBq)	BLU507Z001MC
Uridine 5'-triphosphate, [α - 32 P]-, (EasyTides) 6000 Ci (222 TBq)/mmol 40 mCi/mL Packaged in 50 mM tricine buffer (pH 7.6) with green dye. Shipped in lead. Shipped ambient. Store at 2–8 °C or below. Fresh lot: Every Monday and Thursday.	1 mCi (37 MBq)	NEG507Z001MC
Uridine 5'-triphosphate, [α - 32 P]- 6000 Ci (222 TBq)/mmol 40 mCi/mL Packaged in 50 mM tricine buffer (pH 7.6). Lead-free packaging. Shipped in dry ice. Store at -20 °C or below. Fresh lot: Every Monday and Thursday.	1 mCi (37 MBq)	BLU007Z001MC
Uridine 5'-triphosphate, [α - 32 P]- 6000 Ci (222 TBq)/mmol 40 mCi/mL Packaged in 50 mM tricine buffer (pH 7.6). Shipped in lead. Shipped in dry ice. Store at -20 °C or below. Fresh lot: Every Monday and Thursday.	1 mCi (37 MBq)	NEG007Z001MC
Uridine 5'-triphosphate, [α - 33 P]-, (EasyTides) 3000 Ci (111 TBq)/mmol 10 mCi/mL Packaged in 50 mM tricine buffer (pH 7.6) with amber gold dye. Shipped ambient. Store at 2–8 °C or below. Fresh lot: Every Friday.	100 μ Ci (3.7 MBq) 250 μ Ci (9.25 MBq) 1 mCi (37 MBq)	NEG607H100UC NEG607H250UC NEG607H001MC
Uridine 5'-triphosphate, [α - 33 P]- 3000 Ci (111 TBq)/mmol 10 mCi/mL Packaged in 10 mM tricine buffer (pH 7.6). Shipped in dry ice. Store at -20 °C or below. Fresh lot: Every Friday.	250 μ Ci (9.25 MBq) 1 mCi (37 MBq)	NEG307H250UC NEG307H001MC

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Product	Size	Product No.
Urotensin II (Tyr ⁹), [¹²⁵ I]-, (human)	10 µCi (370 kBq)	NEX379010UC
2200 Ci (81.4 TBq)/mmol	25 µCi (925 kBq)	NEX379025UC
Packaged in 1-propanol:0.1% TFA:acetonitrile (23:50:27) with 0.4% BSA.		
Shipped in dry ice. Store at -20 °C.		
Fresh lot: Second Monday of each month.		
VALIUM®		
See <i>Diazepam</i> .		
Vascular Endothelial Growth Factor, [¹²⁵ I]-, ([¹²⁵ I]-VEGF), (human, recombinant)	5 µCi (185 kBq)	NEX328005UC
80–140 µCi (2.96–5.18 MBq)/µg	25 µCi (925 kBq)	NEX328025UC
Packaged lyophilized from phosphate-buffered saline containing glycine and BSA.		
Shipped in dry ice. Store at -20 °C.		
Fresh lot: First Monday of each month.		
Vasoactive Intestinal Polypeptide, [¹²⁵ I]-, ([¹²⁵ I]-VIP), (human, porcine, rat)	10 µCi (370 kBq)	NEX192010UC
2200 Ci (81.4 TBq)/mmol	50 µCi (1.85 MBq)	NEX192050UC
Packaged lyophilized from phosphate-buffered saline containing glycine, BSA and Trasylol®.		
Shipped ambient. Store at 2–8 °C.		
Fresh lot: Fourth Monday of each month.		
Vasopressin (linear) V _{1A} antagonist (phenylacetyl ¹ , O-Me-D-Tyr ² , Arg ^{6,8} , Tyr ⁹), [¹²⁵ I]-	10 µCi (370 kBq)	NEX310010UC
2200 Ci (81.4 TBq)/mmol	50 µCi (1.85 MBq)	NEX310050UC
Packaged lyophilized from phosphate-buffered saline (pH 4.2) containing glycine, BSA and Trasylol®.		
Shipped ambient. Store at 2–8 °C.		
Fresh lot: Second Monday of each month.		
Vasopressin (Tyr ² , Arg ⁸), [¹²⁵ I]-	10 µCi (370 kBq)	NEX128010UC
2200 Ci (81.4 TBq)/mmol	50 µCi (1.85 MBq)	NEX128050UC
Packaged lyophilized from phosphate-buffered saline (pH 4.2) containing glycine, BSA and Trasylol®.		
Shipped in dry ice. Store at -20 °C.		
Fresh lot: Second Monday of each month.		
Vasopressin (Arg ⁸), [phenylalanyl-3,4,5- ³ H(N)]-	25 µCi (925 kBq)	NET800025UC
35–85 Ci (1.29–3.15 TBq)/mmol	250 µCi (9.25 MBq)	NET800250UC
1 mCi/mL		
Packaged in ethanol:0.05 N acetic acid (7:3) under argon in a silanized vial.		
Shipped in dry ice. Store at -20 °C.		
Vasopressin (Arg ⁸), [tyrosyl-3,5- ³ H]-	25 µCi (925 kBq)	NET800A025UC
15–50 Ci (0.555–1.85 TBq)/mmol	250 µCi (9.25 MBq)	NET800A250UC
1.0 mCi/mL		
Packaged in ethanol:0.05 N acetic acid (7:3) in a silanized vial under argon in a vial that protects contents from UV light.		
Shipped in dry ice. Store at -20 °C.		
VEGF		
See <i>Vascular Endothelial Growth Factor</i> .		
Verapamil hydrochloride, [N-methyl- ³ H]-	25 µCi (925 kBq)	NET810025UC
60–85 Ci (2.22–3.145 TBq)/mmol	250 µCi (9.25 MBq)	NET810250UC
1 mCi/mL		
Packaged in ethanol.		
Shipped in dry ice. Store at -20 °C.		
VIP		
See <i>Vasoactive Intestinal Polypeptide</i> .		
Vitamin A		
See <i>Retinoic acid</i> .		
Vitamin A alcohol		
See <i>Retinol</i> .		

Radiochemicals Product Listing

Vi–Yt

Product	Size	Product No.
Vitamin H <i>See Biotin.</i>		
Water, [³ H]- 1 mCi (37 MBq)/g	1 mCi (37 MBq) 5 mCi (185 MBq)	NET001B001MC NET001B005MC
Packaged in a NENSure vial. Shipped ambient. Store ambient.		
WIN 35428, [N-methyl- ³ H]- 60–87 Ci (2.22–3.22 TBq)/mmol 1 mCi/mL	25 µCi (925 kBq) 250 µCi (9.25 MBq) 1 mCi (37 MBq)	NET1033025UC NET1033250UC NET1033001MC
Packaged in ethanol under nitrogen. Shipped in dry ice. Store at -20 °C.		
WIN 55212-2, [5,7-naphthyl- ³ H]- 40–60 Ci (1.48–2.22 TBq)/mmol 1 mCi/mL	25 µCi (925 kBq) 250 µCi (9.25 MBq) 1 mCi (37 MBq)	NET1058025UC NET1058250UC NET1058001MC
Packaged in ethanol under nitrogen in a silanized vial. Shipped in dry ice. Store at -20 °C.		
WKYMMVm, [¹²⁵ I]-, Bolton-Hunter labeled 2200 Ci (81.4 TBq)/mmol	10 µCi (370 kBq) 25 µCi (925 kBq)	NEX386010UC NEX386025UC
Packaged in 0.08 M tris-HCl (pH 8.6), 0.08 M NaCl, 50 KIU/mL aprotinin:1-propanol (1:1) with 0.17% 2-mercaptoethanol. Shipped in dry ice. Store at -20 °C. Fresh lot: Fourth Monday of each month.		
YM-09151-2, [N-methyl- ³ H]- 70–87 Ci (2.59–3.22 TBq)/mmol 1 mCi/mL	25 µCi (925 kBq) 250 µCi (9.25 MBq) 1 mCi (37 MBq)	NET1004025UC NET1004250UC NET1004001MC
Packaged in ethanol under nitrogen in a vial that protects contents from UV light. Shipped in dry ice. Store at -20 °C.		
Yohimbine, [methyl- ³ H]- 70–90 Ci (2.59–3.33 TBq)/mmol 1 mCi/mL	25 µCi (925 kBq) 250 µCi (9.25 MBq) 1 mCi (37 MBq)	NET659025UC NET659250UC NET659001MC
Packaged in ethanol containing 0.25% ascorbic acid under nitrogen in a vial that protects contents from UV light. Shipped in dry ice. Store at -80 °C.		
Yttrium-90 radionuclide ~500 Ci (18.5 TBq)/mg >500 mCi/mL	Custom filled	NEZ306C000MC
Packaged as yttrium chloride in 0.05 M HCl. Shipped ambient. Store ambient. Half life: 2.67 days Fresh lot: Every week; Thursday calibration day.		
Yttrium-90 radionuclide ~500 Ci (18.5 TBq)/mg >625 mCi/mL	Custom filled	NEZ306B000MC
Packaged as yttrium chloride in 0.05 M HCl. Shipped ambient. Store ambient. Half life: 2.67 days Fresh lot: Every week; Wednesday calibration day.		

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Radiochemicals Product Listing

Yt–Yt

Product	Size	Product No.
Yttrium-90 radionuclide ~500 Ci (18.5 TBq)/mg >1000 mCi/mL Packaged as yttrium chloride in 0.05 M HCl. Shipped ambient. Store ambient. Half life: 2.67 days Fresh lot: Every week; Tuesday calibration day.	Custom filled	NEZ306A000MC
Yttrium-90 radionuclide ~500 Ci (18.5 TBq)/mg >1300 Ci/mL Packaged as yttrium chloride in 0.05 M HCl. Shipped ambient. Store ambient. Half life: 2.67 days Fresh lot: Every week; Monday calibration day.	Custom filled	NEZ306000MC
Yttrium-90 radionuclide, sterile and non-pyrogenic ~500 Ci (18.5 TBq)/mg >500 mCi/mL Packaged as sterile yttrium chloride in 0.05 M HCl. Shipped ambient. Store ambient. Half life: 2.67 days Fresh lot: Every week; Thursday calibration day.	Custom filled	NEZ306CS000MC
Yttrium-90 radionuclide, sterile and non-pyrogenic ~500 Ci (18.5 TBq)/mg >625 mCi/mL Packaged as sterile yttrium chloride in 0.05 M HCl. Shipped ambient. Store ambient. Half life: 2.67 days Fresh lot: Every week; Wednesday calibration day.	Custom filled	NEZ306BS000MC
Yttrium-90 radionuclide, sterile and non-pyrogenic ~500 Ci (18.5 TBq)/mg >1000 mCi/mL Packaged as sterile yttrium chloride in 0.05 M HCl. Shipped ambient. Store ambient. Half life: 2.67 days Fresh lot: Every week; Tuesday calibration day.	Custom filled	NEZ306AS000MC
Yttrium-90 radionuclide, sterile and non-pyrogenic ~500 Ci (18.5 TBq)/mg >1300 mCi/mL Packaged as sterile yttrium chloride in 0.05 M HCl. Shipped ambient. Store ambient. Half life: 2.67 days Fresh lot: Every week; Monday calibration day.	Custom filled	NEZ306S000MC

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