

HUMAN HEALTH

ENVIRONMENTAL HEALTH

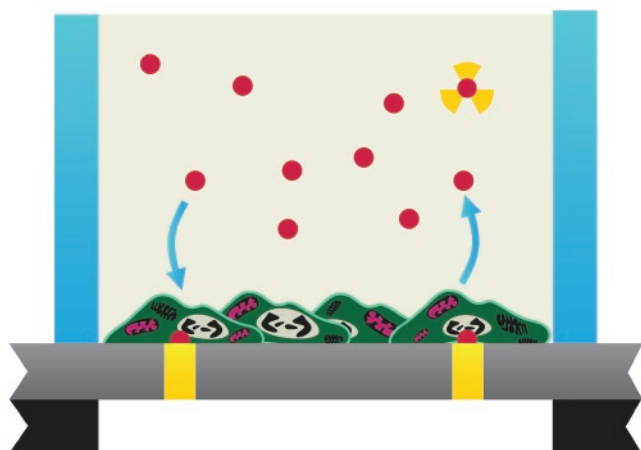
CLEAR ADVANTAGES



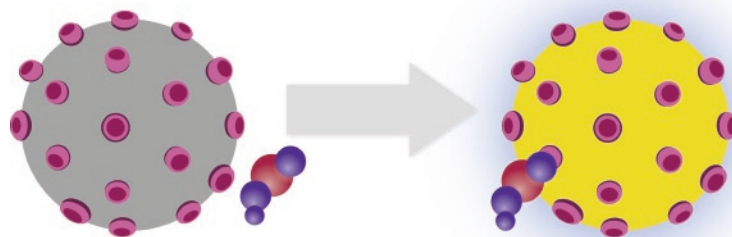
PERKINELMER SPA REAGENTS AND TECHNOLOGIES

SPA reagents and CytoStar-T™ microplates let you see what you can't see with any other technology, so your research becomes more productive. SPA from PerkinElmer. The advantages become even clearer at www.perkinelmer.com/spa.

CytoStar-T Scintillating Microplates: radiometric detection in whole cells in real time

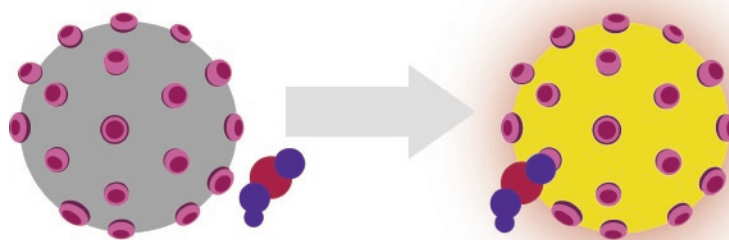


Microplate	Pack Size	Product Code
CytoStar-T - 96 well	5 pack	RPNQ0162
	100 pack	RPNQ0163
CytoStar-T - 384 well	5 pack	RPNQ0165
	50 pack	RPNQ0166



Coating	Application	Core Bead Type	Pack Size	Product Code
Streptavidin	capture of biotinylated proteins or peptides for use in enzyme assays or molecular interaction studies	PVT	50 mg	RPNQ0006
			150 mg	RPNQ0009
			500 mg	RPNQ0007
		YSi	25 x 500 mg	SPQ0032
			2 G	RPNQ0066
			25 x 2G	RPNQ0067
Wheat Germ Agglutinin (WGA)	binds cell membranes and internal components for receptor binding studies	PVT	100 mg	RPNQ0252
			500 mg	RPNQ0001
			25 x 500 mg	SPQ0031
		YSi	2G	RPNQ0060
			25 x 2G	RPNQ0063
			250 mg	RPNQ0011
WGA PEI Type A	extra coating for reduced non-specific binding	PVT	1G	RPNQ0023
			500 mg	RPNQ0003
WGA PEI Type B	extra coating for reduced non-specific binding	PVT	2G	RPNQ0061
			25 x 2G	RPNQ0064
Polyethyleneimine (PEI)	extra coating for reduced non-specific binding	PVT	500 mg	RPNQ0004
			2G	RPNQ0062
Poly - L- lysine	enhances binding of negatively charged membranes	YSi	25 x 2G	RPNQ0065
			1000 mg	RPNQ0097
PDE	measure of phosphodiesterase activity	YSi	500 mg	RPNQ0010
			2G	RPNQ0150
RNA binding beads	YSi beads that interact with primary Phosphate groups in nucleotides, oligos, RNA and DNA; membranes can also bind	YSi	25 x 2G	RPNQ0024
			500 mg	RPNQ0029
Arginine binding beads	capture of arginine residues	YSi	500 mg	RPNQ0013
Copper chelate	capture and assay of His-tag fusion proteins or their binding partners	PVT	500 mg	RPNQ0101
		YSi	250 mg	RPNQ0095
Glutathione	capture and assay of GST-fusion proteins	PVT	125 mg	RPNQ0096
			750 mg	RPNQ0030
		YSi	25 x 2G	RPNQ0036
Protein A	binding of antibodies via the Fc portion of the antibody for RIA	PVT	50 mg	RPNQ0033
			500 mg	RPNQ0034
		YSi	25 x 500 mg	RPNQ0019
Anti-mouse antibody	capture of secondary antibody	PVT	2G	RPNQ0031
			YSi	500 mg
Anti-rabbit antibody	capture of secondary antibody	PVT	500 mg	RPN143
			YSi	2G
Anti-sheep antibody	capture of secondary antibody	PVT	500 mg	RPNQ0017
			YSi	500 mg
SPA Scintillation Select-a-Bead Kit	Receptor binding studies	PVT & YSi	500 mg	RPNQ0016
			25 x 500 mg	RPQ0638
SPA Scintillation Select-a-Bead Kit	Receptor binding studies	PVT & YSi	500 mg	RPN140
			YSi	500 mg
SPA Scintillation Select-a-Bead Kit	Receptor binding studies	PVT & YSi	500 mg	RPN142
			YSi	500 mg
			of 5 types*	

* contains 100 mg each of WGA PVT; WGA YSi; WGA PEI type A; WGA PEI type B; and Poly-L-Lysine to allow quick and convenient receptor assay development using SPA Scintillation Beads.

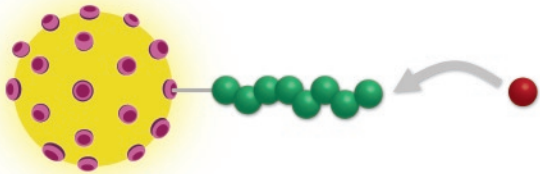


Coating	Application	Core Bead Type	Pack Size	Product Code
Streptavidin	capture of biotinylated proteins or peptides for use in enzyme assays or molecular interaction studies	PS	50 mg	RPNQ0263
			500 mg	RPNQ0261
		YOx	25 x 500 mg	RPNQ0285
			2G	RPNQ0306
Wheat Germ Agglutinin (WGA)	binds cell membranes and internal components for receptor binding studies with partially purified cell membrane preps or fractionated, solubilized receptor preps by immobilized receptors attached via glycosylation sites	PS	25 x 2G	RPNQ0307
			50 mg	RPNQ0273
		YOx	500 mg	RPNQ0271
			25 x 500 mg	RPNQ0283
WGA PEI Type A	PEI treatment decreases non-specific binding to beads	PS	50 mg	RPNQ0262
			500 mg	RPNQ0260
		YOx	25 x 500 mg	RPNQ0281
			2G	RPNQ0308
WGA PEI Type B	PEI treatment decreases non-specific binding to beads	PS	25 x 2G	RPNQ0290
			50 mg	RPNQ0272
		YOx	500 mg	RPNQ02701
			25 x 500 mg	RPNQ0282
Polyethylenimine (PEI)	PEI treatment decreases non-specific binding to beads	PS	50 mg	RPNQ0286
			500 mg	RPNQ0287
Poly - L- lysine	enhances binding of negatively charged membranes	PS	50 mg	RPNQ0288
			500 mg	RPNQ0289
		YOx	2G	RPNQ0297
			25 x 2G	RPNQ0098
Membrane binding beads	Receptor binding studies	PS	50 mg	RPNQ0295
			500 mg	RPNQ00294
		YOx	2G	RPQ0786
			25 x 2G	RPQ0787
Nickel chelate	capture and assay of His-tag fusion proteins	PS	2G	RPQ0328
			500 mg	RPQ0328
		YOx	500 mg	RPNQ0280
			25 x 500 mg	RPNQ0296
Glutathione	binding and assaying GST-fusion proteins	PS	2G	RPQ0785
			500 mg	RPNQ0267
		YOx	50 mg	RPNQ0277
			500 mg	RPNQ0276
Protein A	capture of antibodies via the Fc portion of the antibody for RIA best for rabbit, mouse or guinea	PS	50 mg	RPNQ0279
			500 mg	RPNQ0278
		YOx	50 mg	RPNQ0265
			500 mg	RPNQ00264
Anti-mouse antibody	Affinity purified IgG designed for capture of secondary antibody	PS	50 mg	RPNQ0275
		YOx	500 mg	RPNQ0274
Anti-rabbit antibody	Affinity purified IgG designed for capture of secondary antibody	PS	500 mg	RPNQ0298
		YOx	500 mg	RPNQ0300
SPA Imaging Select-a-Bead Kit	Receptor binding studies	PS	500 mg	RPNQ0299
		YOx	500 mg	RPNQ0301
		PS & YOx	500 mg of 6 types*	RPNQ0321

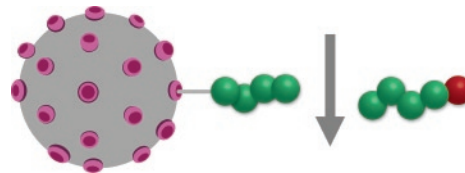
* contains 500 mg each of WGA PS; WGA YOx; WGA PEI type A; WGA PEI type B; PEI PS; and Poly-L-Lysine to allow quick and convenient receptor assay development using SPA Imaging Beads.

SPA Enzyme Assays: radiometric detection of enzyme activity on bound target

Signal Increase
Transferase and polymerase activities

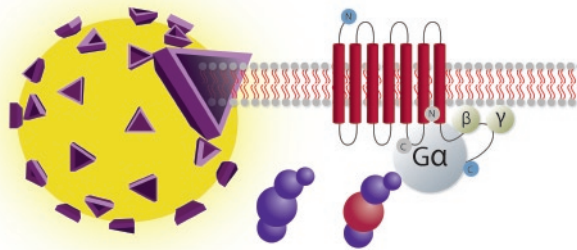


Signal Decrease
Hydrolase activities e.g. proteases, nucleases



Assay	Description	Pack Size	Product Code
QUAN-T-RT	Reverse transcriptase assay	200 assays	TRK1022
PDE [³ H] cAMP assay	Phosphodiesterase assay	500 assays	TRKQ7090
PDE [³ H] cGMP assay	Phosphodiesterase assay	500 assays	TRKQ7100
Thymidine uptake assay	Thymidine uptake assay	500 assays	RPNQ0130

SPA Receptor Assays: radiometric detection of Receptor-ligand binding



Assay	Description	Pack Size	Product Code
GTP γ ³⁵ S GPCR assay	GPCR-mediated guanine nucleotide exchange can be monitored in this assay	500 assays	RPNQ0210

We will be pleased to provide country specific, and institution-specific pricing upon request. To speak with your local representative please visit www.perkinelmer.com/contactus.