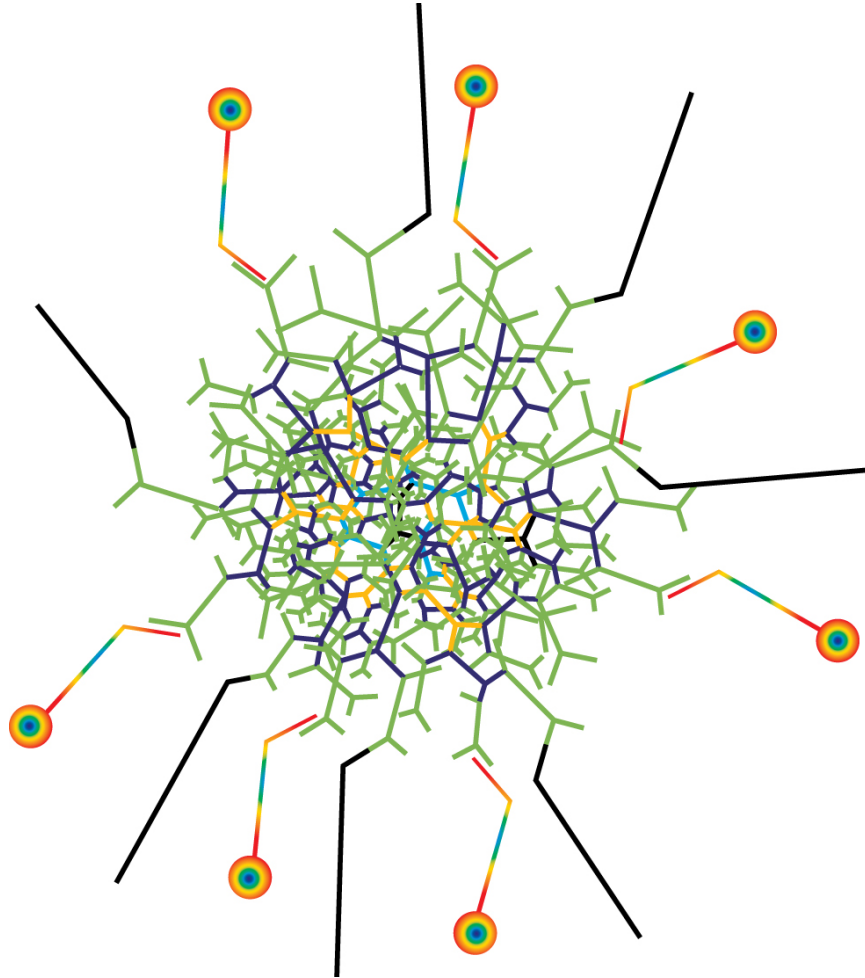


# Genisphere Product Line and Price List

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January 2012



Genisphere®

SIGNAL + SAMPLE AMPLIFICATION PRODUCTS

## RNA Amplification

Product	Description	Price	Size	Catalog Number
<b>Sensation™</b> One-Round RNA Amplification Kit	One-round linear whole transcriptome RNA amplification kit. Produces senseRNA for further use in expression analysis microarrays, qRT-PCR, or other relevant RNA-based applications. Can be used with intact or degraded RNA, FFPE RNA, eukaryotic or prokaryotic RNA samples.	Introductory Pricing until March 31, 2012: \$1140 List Pricing beginning April 1, 2012: \$1500	12 assays 12 assays	SNSAT12 SNSAT12
<b>Biotin Labeling Kit for ST/Exon Arrays</b> For labeling senseRNA from Sensation	Contains reagents designed to convert senseRNA from Sensation kits into biotin-labeled dscDNA, for subsequent gene expression analysis on Affymetrix® Whole-Transcript Expression Arrays.	Introductory Pricing until March 31, 2012: \$600 List Pricing beginning April 1, 2012: \$780	12 assays 12 assays	STBIO12 STBIO12
<b>Biotin Labeling Kit for 3' Arrays</b> For labeling senseRNA from Sensation	Contains reagents designed to convert senseRNA from Sensation kits into biotin-labeled cDNA, for subsequent gene expression analysis on Affymetrix® 3' IVT Expression Arrays and other gene expression arrays.	Introductory Pricing until March 31, 2012: \$600 List Pricing beginning April 1, 2012: \$780	12 assays 12 assays	SS3BIO12 SS3BIO12
<b>Sensation ST</b> Amplification and Labeling for Whole-Transcript Expression Arrays	Contains the Sensation one-Round RNA Amplification Kit and the Biotin Labeling Kit for ST/Exon Arrays.	Introductory Pricing until March 31, 2012: \$1740 List Pricing beginning April 1, 2012: \$2280	12 assays each 12 assays each	SENSE-ST SENSE-ST
<b>Sensation 3'</b> Amplification and Labeling for 3' IVT Expression Arrays	Contains the Sensation one-Round RNA Amplification Kit and the Biotin Labeling Kit for 3' Arrays.	Introductory Pricing until March 31, 2012: \$1740 List Pricing beginning April 1, 2012: \$2280	12 assays each 12 assays each	SENSE-3PR SENSE-3PR
<b>RampUP™</b> Two-Round RNA Amplification Kit	Two-round linear whole transcriptome RNA amplification kit. Produces senseRNA for further use in expression analysis microarrays, qRT-PCR, or other relevant RNA-based applications. Can be used with intact or degraded RNA, FFPE RNA, eukaryotic or prokaryotic RNA samples. RT enzyme not included. <b>Custom orders only; please inquire with Genisphere.</b>			

## Array Detection

Product	Description	Price	Product Size	Label	Catalog Number
<b>3DNA® FlashTag® Biotin HSR</b> RNA Labeling Kit for Affymetrix miRNA Arrays	Reagent kit for ultrasensitive miRNA detection using 0.1-3.0 micrograms of total RNA (or low molecular weight RNA enriched from 0.1-3.0 micrograms of total RNA). For use with Affymetrix miRNA arrays or ELOSA applications. Directly labels all small RNA molecules including microRNA, snRNA, hnRNA, piRNA, etc. Contains biotin-labeled 3DNA dendrimer and reagents.	\$360	10 assays	Biotin	HSR10FTA
		\$1045	30 assays	Biotin	HSR30FTA
<b>3DNA FlashTag</b> RNA Labeling Kit for miRNA Arrays	Reagent kit for ultrasensitive miRNA detection using 0.5-3.0 micrograms of total RNA (or low molecular weight RNA enriched from 0.5-3.0 micrograms of total RNA). For use with antisense oligo printed microarrays such as those sold by Invitrogen, Exiqon, and Febit. Directly labels all small RNA molecules including microRNA, snRNA, hnRNA, piRNA, etc. Contains labeled 3DNA dendrimer and reagents.	\$365	10 assays	Oyster®-550	KR8850
		\$365	10 assays	Oyster®-650	KR8860
		inquire	10 assays	Biotin	KR8870
<b>3DNA Array 900™</b> Expression Array Detection Kit	Reagent kit for ultrasensitive gene expression array detection using 0.25-1 microgram total mammalian RNA samples. For use on oligo and cDNA spotted arrays. Contains labeled 3DNA dendrimer and other reagents. Reverse Transcriptase enzyme not included. <b><u>200-assay kits take up to 12 weeks to ship.</u></b>	\$545	5 assays each	Cy3/Cy5	W500180
		\$8260	200 assays	Alexa Fluor® 546	W500100
		\$8260	200 assays	Alexa Fluor® 647	W500110
		\$865	20 assays	Cy3	W500130
		\$865	20 assays	Cy5	W500140
		\$7795	200 assays	Oyster-550	W500150
		\$7795	200 assays	Oyster-650	W500160
<b>3DNA Array 900HS™</b> Expression Array Detection Kit For Hybridization Stations and other High Volume Hybridizations	Reagent kit for ultrasensitive gene expression array detection using 0.25-1 microgram total mammalian RNA samples. For use on oligo and cDNA spotted arrays. Contains labeled 3DNA dendrimer and reagents. Reverse Transcriptase enzyme not included. Additional hybridization buffers may be required; see catalog numbers on the next page. <b><u>200-assay kits take up to 12 weeks to ship.</u></b>	\$8260	200 assays	Cy3	H500130
		\$8260	200 assays	Cy5	H500140
<b>3DNA Array 900MPX™</b> Expression Array Detection Kit	Reagent kit utilizing both random and dT priming for ultrasensitive gene expression array detection using total, poly (A)+, or degraded RNA. Can be used with prokaryotic and eukaryotic RNA samples. For use on oligo and cDNA arrays. Can also be used to label any type of DNA (genomic, PCR products, cDNA, oligonucleotides of 30 bases or more, etc.), for use on all DNA spotted arrays, including oligo, cDNA, and BAC arrays. Contains labeled 3DNA dendrimer and reagents. Other enzymes may be necessary. <b><u>200-assay kits take up to 12 weeks to ship.</u></b>	\$545	5 assays each	Cy3/Cy5	W599180
		\$8260	200 assays	Alexa Fluor 546	W599100
		\$8260	200 assays	Alexa Fluor 647	W599110
		\$865	20 assays	Cy3	W599130
		\$865	20 assays	Cy5	W599140

## Array Detection

(continued)

Product	Description	Price	Product Size	Label	Catalog Number
<b>3DNA Array 350™</b> Expression Array Detection Kit	Reagent kit for sensitive gene expression array detection using 1-5 microgram total mammalian RNA or 50-250 nanogram poly (A)+ samples. For use on oligo and cDNA spotted arrays. Contains labeled 3DNA dendrimer and reagents. Reverse Transcriptase enzyme not included. <b>200-assay kits take up to 12 weeks to ship.</b>	\$450	5 assays each	Cy3/Cy5	W300180
		\$6875	200 assays	Alexa Fluor 546	W300100
		\$6875	200 assays	Alexa Fluor 647	W300110
		\$725	20 assays	Cy3	W300130
		\$725	20 assays	Cy5	W300140
<b>3DNA Array 350HS™</b> Expression Array Detection Kit For Hybridization Stations and other High Volume Hybridizations	Reagent kit for sensitive gene expression array detection using 1-5 microgram total mammalian RNA or 50-250 nanogram poly (A)+ samples. For use on oligo and cDNA spotted arrays. Contains labeled 3DNA and reagents. Reverse Transcriptase enzyme not included. Additional hybridization buffers may be required; see catalog numbers below. <b>200-assay kits take up to 12 weeks to ship.</b>	\$6875	200 assays	Cy3	H300130
		\$6875	200 assays	Cy5	H300140
<b>3DNA Array 50™ Version2</b> Expression Array Detection Kit	Reagent kit for gene expression array detection using 10-20 microgram total RNA samples. For use on oligo and cDNA spotted arrays. Demonstrates the sensitivity and reproducibility of amino-allyl labeling at the same price. Contains labeled 3DNA dendrimer and reagents. Reverse Transcriptase enzyme not included. <b>200-assay kits take up to 12 weeks to ship.</b>	\$295	5 assays each	Cy3/Cy5	B100187
		\$4830	200 assays	Alexa Fluor 546	B100121
		\$4830	200 assays	Alexa Fluor 647	B100122
		\$485	20 assays	Cy3	B100171
		\$485	20 assays	Cy5	B100172
<b>DyeSaver®2</b> Protective Coating	Liquid coating protects flours against oxidation and photobleaching with little or no added background. Allows for temporary archiving of arrays. Works with all standard labeling methods.	\$170	2 x 28 mL 50-100 arrays		Q500500
		\$275	4 x 28 mL 100-200 arrays		Q500600
<b>Reverse Transcriptase Enzyme</b>	RT enzyme (20uL) and 5X RT Buffer (80uL)	\$50	10-20 assays		RT300320
<b>ELOSA Plates</b>	96-Well ELOSA plates for QC Assay of FlashTag Biotin RNA Labeling Kit for Affymetrix miRNA Arrays	\$100	5 plates		FT5ELOSA
<b>25% Dextran Sulfate</b>	25% Dextran Sulfate	\$30	1.5 mL		V25DEX
<b>LNA dT Blocker</b>	Proprietary oligo blocks poly dA/dT binding	\$140	20 assays		CW3920
<b>Bulk Hybridization Buffers</b>	2X SDS Hybridization Buffer	\$105	25 mL		C600V600S25
	2X Formamide Hybridization Buffer	\$105	25 mL		C600V700S25
	2X Enhanced cDNA Hybridization Buffer	\$105	25 mL		CW31200S25
<b>Nucleotides</b>	dNTP Mix (10mM each dATP, dCTP, dGTP, dTTP)	\$35	10 assays		C100V410
		\$55	20 assays		C100V420
	dTTP (10mM)	\$35	10 assays		CRD310
		\$55	20 assays		CRD320
	dNTP Mix and dTTP	\$60	10 assays		PAKX10
\$100		20 assays		PAKX20	
<b>dT RT Primers</b> dT primer with 3DNA capture sequence on 5' end.  Cy3 / Alexa 546 / Oyster 500: 5' - TTC TCG TGT TCC GTT TGT ACT CTA AGG TGG A - T(17)- 3'  Cy5 / Alexa 647 / Oyster 650: 5' - ATT GCC TTG TAA GCG ATG TGA TTC TAT TGG A - T(17)-3'	5pM/uL dT RT Primer for Cy3 / Alexa 546 / Oyster 550	\$25	20 assays		CW31100A
	5pM/uL dT RT Primer for Cy5 / Alexa 647 / Oyster 650	\$25	20 assays		CW31100B
	30pM/uL dT RT Primer for Cy3 / Alexa 546 / Oyster 550	\$30	20 assays		CMR960UA
	30pM/uL dT RT Primer for Cy5 / Alexa 647 / Oyster 650	\$30	20 assays		CMR960UB

## Signal Amplifiers

Product	Description	Targeting Moiety	Label	# Labels	Quantity	Price	Catalog Number
<b>UltraAmp™ Multi-Assay Signal Amplifiers</b>	3DNA signal amplifier with one Streptavidin and 40 fluorescent dyes. The concentration of Streptavidin is 20ng/uL. There is 60uL in the tube. These Streptavidin products ship with a free tube of Nucleic Acid Blocker, for nucleic acid detection assays including DNA microarrays.	Streptavidin	Oyster-550	40	1µg	\$199	SA0450
			Oyster-650	40	1µg	\$199	SA0460
<b>Custom UltraAmp Multi-Assay Signal Amplifiers</b>	Custom 3DNA Dendrimer reagent available with choice of labels and targeting moieties, to increase the sensitivity in a variety of immunoassays and nucleic acid detection assays. The reagent concentration is 10ng/uL (as 3DNA dendrimer). <b>Custom UltraAmp products ship 2-4 weeks after order is received.</b> Custom UltraAmp products are designed for testing purposes. After successful testing of a custom product, high-volume quantities are specially quoted and manufactured.	CUSTOM; can include: Anti-Biotin Anti-Streptavidin Anti-FITC Anti-Phycoerythrin Anti-Mouse IgG Anti-Rabbit IgG (H+L) Anti-Human IgG (H+L) Biotin Capture Sequence 03* Capture Sequence 35*	CUSTOM; can include: Oyster-550 Oyster-650 Biotin	CUSTOM; can be: 900 350 50	CUSTOM; typically: 1µg for fluorescent label and 3µg for biotin label	\$250	
<b>Custom Sequence UltraAmp Multi-Assay Signal Amplifiers</b>	Custom 3DNA Dendrimer reagent available with choice of labels and custom nucleic acid sequence attached. <b>Custom Sequence UltraAmp products take up to 12 weeks to ship.</b> Custom UltraAmp products are designed for testing purposes. After successful testing of a custom product, high-volume quantities are specially quoted and manufactured.	CUSTOM nucleic acid sequence; typically a 10mer – 40mer	CUSTOM; can include: Oyster-550 Oyster-650 Biotin Other Label	CUSTOM; can be: 900 350 50	CUSTOM; typically 3µg	inquire	
<b>UltraAmp Binding Buffer I</b>	Buffer designed for use with UltraAmp reagents in ELISAs and other potential assays. Buffer contains 2% dextran sulfate as a volume excluder and proprietary components.				100 mL	\$100	ABB100
<b>UltraAmp Binding Buffer II</b>	Buffer designed for use with UltraAmp reagents in protein arrays, peptide arrays, and other potential assays. Buffer contains 1X PBS, 2.5% BSA, and 2% dextran sulfate.				100 mL	\$100	ABB200

\*Capture Sequence 03: Oligonucleotide capture sequence attached to the 3DNA Dendrimer:  
5' - TCC ACC TTA gAg TAC AAA Cgg AAC ACg AgA A – 3'

\*Capture Sequence 35: Oligonucleotide capture sequence attached to the 3DNA Dendrimer:  
5' - TCC AAT AgA ATC ACA TCg CTT ACA Agg CAA T – 3'



SIGNAL + SAMPLE AMPLIFICATION PRODUCTS

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