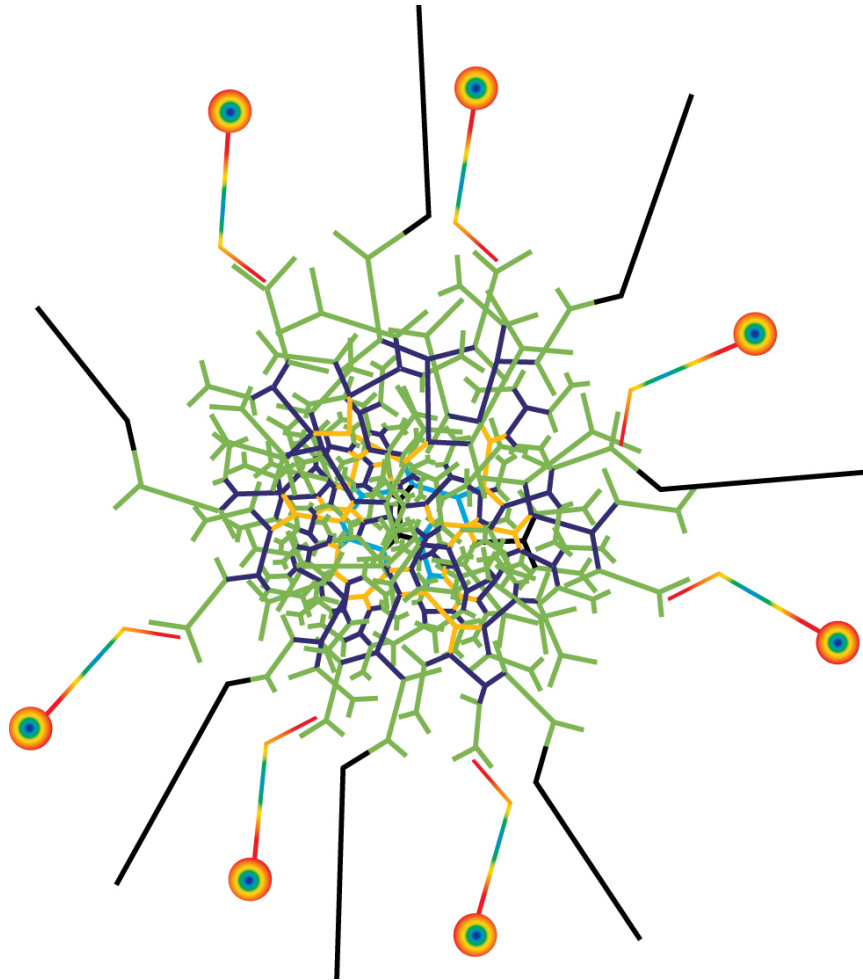


Genisphere

Product Line and Price List

January 2010



Genisphere®

SIGNAL + SAMPLE AMPLIFICATION PRODUCTS

Array Detection

Product	Description	Price	Product Size	Label	Catalog Number
3DNA® FlashTag™ Biotin HSR 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.	\$345	10 assays	Biotin	HSR10FTA
		\$995	30 assays	Biotin	HSR30FTA
3DNA® FlashTag™ Biotin RNA Labeling Kit for Affymetrix miRNA Arrays	Reagent kit for sensitive 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 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.	\$345	10 assays	Biotin	FT10AFYB
		\$995	30 assays	Biotin	FT30AFYB
3DNA FlashTag 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.	\$350	10 assays	Oyster®-550	KR8850
		\$350	10 assays	Oyster®-650	KR8860
		\$335	10 assays	Biotin	KR8870
3DNA Array 900™ 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. <u>200-assay kits take up to 12 weeks to ship.</u>	\$470	5 assays each	Cy3/Cy5	W500180
		\$7150	200 assays	Alexa Fluor® 546	W500100
		\$7150	200 assays	Alexa Fluor® 647	W500110
		\$750	20 assays	Cy3	W500130
		\$750	20 assays	Cy5	W500140
		\$6750	200 assays	Oyster-550	W500150
		\$6750	200 assays	Oyster-650	W500160
3DNA Array 900HS™ 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. <u>200-assay kits take up to 12 weeks to ship.</u>	\$7150	200 assays	Cy3	H500130
		\$7150	200 assays	Cy5	H500140
3DNA Array 900MPX™ 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. <u>200-assay kits take up to 12 weeks to ship.</u>	\$470	5 assays each	Cy3/Cy5	W599180
		\$7150	200 assays	Alexa Fluor 546	W599100
		\$7150	200 assays	Alexa Fluor 647	W599110
		\$750	20 assays	Cy3	W599130
		\$750	20 assays	Cy5	W599140

Array Detection

(continued)

Product	Description	Price	Product Size	Label	Catalog Number
3DNA Array 350™ 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. 200-assay kits take up to 12 weeks to ship.	\$390	5 assays each	Cy3/Cy5	W300180
		\$5950	200 assays	Alexa Fluor 546	W300100
		\$5950	200 assays	Alexa Fluor 647	W300110
		\$625	20 assays	Cy3	W300130
		\$625	20 assays	Cy5	W300140
3DNA Array 350HS™ 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. 200-assay kits take up to 12 weeks to ship.	\$5950	200 assays	Cy3	H300130
		\$5950	200 assays	Cy5	H300140
3DNA Array 50™ Version2 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. 200-assay kits take up to 12 weeks to ship.	\$180	5 assays each	Cy3/Cy5	B100187
		\$2800	200 assays	Alexa Fluor 546	B100121
		\$2800	200 assays	Alexa Fluor 647	B100122
		\$295	20 assays	Cy3	B100171
		\$295	20 assays	Cy5	B100172
DyeSaver®2 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.	\$160	2 x 28 mL 50-100 arrays		Q500500
		\$260	4 x 28 mL 100-200 arrays		Q500600
Reverse Transcriptase Enzyme	RT enzyme (20uL) and 5X RT Buffer (80uL)	\$45	10-20 assays		RT300320
ELOSA Plates	96-Well ELOSA plates for QC Assay of FlashTag Biotin RNA Labeling Kit for Affymetrix miRNA Arrays	\$95	5 plates		FT5ELOSA
25% Dextran Sulfate	25% Dextran Sulfate	\$25	1.5 mL		V25DEX
LNA dT Blocker	Proprietary oligo blocks poly dA/dT binding	\$130	20 assays		CW3920
Bulk Hybridization Buffers	2X SDS Hybridization Buffer	\$100	25 mL		C600V600S25
	2X Formamide Hybridization Buffer	\$100	25 mL		C600V700S25
	2X Enhanced cDNA Hybridization Buffer	\$100	25 mL		CW31200S25
Nucleotides	dNTP Mix (10mM each dATP, dCTP, dGTP, dTTP)	\$30	10 assays		C100V410
		\$50	20 assays		C100V420
	dTTP (10mM)	\$30	10 assays		CRD310
		\$50	20 assays		CRD320
	dNTP Mix and dTTP	\$55	10 assays		PAKX10
\$95		20 assays		PAKX20	
dT RT Primers For labeling poly(A) tailed senseRNA with Array900, Array350, and Array50 Kits	5pM/uL dT RT Primer for Cy3 / Alexa 546 / Oyster 550	\$20	20 assays		CW31100A
	5pM/uL dT RT Primer for Cy5 / Alexa 647 / Oyster 650	\$20	20 assays		CW31100B
	30pM/uL dT RT Primer for Cy3 / Alexa 546 / Oyster 550	\$25	20 assays		CMR960UA
	30pM/uL dT RT Primer for Cy5 / Alexa 647 / Oyster 650	\$25	20 assays		CMR960UB

RNA Amplification

Product	Description	Price	Size	Catalog Number
RampUP™ Two-Round RNA Amplification Kit	Two-round linear RNA amplification kit that produces sense strand RNA representing the entire transcript for further use in expression analysis experiments or in other relevant RNA-based applications. Can be used with intact or degraded, eukaryotic or prokaryotic RNA samples. Contains reagents needed to generate labeled cDNA for hybridization to Affymetrix 3' Expression GeneChips and other arrays. RT enzyme not included.	\$1375	10 assays	RAMPUP10
RampUP Plus™ Two-Round RNA Amplification Kit	Two-round linear RNA amplification kit that produces sense strand RNA representing the entire transcript for further use in expression analysis experiments or in other relevant RNA-based applications. Can be used with intact or degraded, eukaryotic or prokaryotic RNA samples. Includes the Plus module for poly(A) tailing the senseRNA. RT enzyme not included. ²	\$1525	10 assays	RAMP10PLUS
SenseAMP™ One-Round RNA Amplification Kit	One-round linear RNA amplification kit that produces full length, sense strand RNA for further use in expression analysis experiments or in other relevant RNA-based applications. Can be used with intact or degraded, eukaryotic or prokaryotic RNA samples. RT enzyme not included. ¹	\$550 \$900	10 assays 20 assays	SENSEAMP10 SENSEAMP20
SenseAMP Plus™ One-Round RNA Amplification Kit	One-round linear RNA amplification kit that produces full length, sense strand RNA for further use in expression analysis experiments or in other relevant RNA-based applications. Can be used with intact or degraded, eukaryotic or prokaryotic RNA samples. Includes the Plus module for poly(A) tailing the senseRNA. RT enzyme not included. ²	\$700 \$1200	10 assays 20 assays	SENSEAMP10P SENSEAMP20P
SenseAMP Plus™ Low Molecular Weight RNA Amplification Kit	One-round linear RNA amplification kit specifically designed for low molecular weight RNA samples, including severely degraded RNA, piRNA, miRNA, snRNA, hnRNA, etc. Produces sense strand RNA for further use in expression analysis experiments or in other relevant RNA-based applications. Includes the Plus module for poly(A) tailing the microRNA prior to amplification. RT enzyme not included.	\$700 \$1200	10 assays 20 assays	SENSE10MIR SENSE20MIR
Plus™ For poly(A) tailing	Contains reagents needed to add a poly(A) tail to any RNA sample. ²	\$150	10 assays	P10PLUS
cDNA Synthesis Kit For reverse transcription of senseRNA from RampUP and SenseAMP	Contains reagents designed to convert senseRNA from SenseAMP and RampUP kits into labeled cDNA, for subsequent gene expression analysis on Affymetrix 3' GeneChips and other arrays. Labeled dUTP and RT enzyme not included.	\$225	10 assays	CDNAMOD

¹ The cDNA Synthesis Kit is needed to generate labeled cDNA for hybridization to Affymetrix 3' Expression GeneChips and other arrays.

² Additional 30pM dT primers may be needed when labeling poly(A) tailed senseRNA with Array 900, Array 350, and Array 50 kits.

Signal Amplifiers

Product	Description	Targeting Moiety	Label	# Labels	Quantity	Price	Catalog Number
UltraAmp™ Multi-Assay Signal Amplifiers	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
Custom UltraAmp Multi-Assay Signal Amplifiers	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). Custom UltraAmp products take up to 6 weeks to ship. 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 (Fc) 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	
Custom Sequence UltraAmp Multi-Assay Signal Amplifiers	Custom 3DNA Dendrimer reagent available with choice of labels and custom nucleic acid sequence attached. Custom Sequence UltraAmp products take up to 12 weeks to ship. 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	
UltraAmp Binding Buffer I	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
UltraAmp Binding Buffer II	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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