

Oligo GEMArray[®] Starter Kit

Catalog Number

GA-029

Contents

Reagents to process four (4) Oligo GEMArray[®] microarrays

Description

The Oligo GEMArray Starter Kit is designed to help first time users get a feel for SuperArray's easy-to-use Oligo GEMArray microarray technology. The kit contains a trial target labeling and amplification kit, a trial target purification kit, hybridization solution, and a trial detection kit. This trial kit contains enough of these accessory reagents to process up to of four Oligo GEMArrays of your choosing. Biotin-UTP is purchased separately from another manufacturer; see enclosed User Manuals for more details.

Materials Included and Storage Conditions

Please check the kit components immediately after you receive this package. SuperArray is not responsible for any missing items not reported within two (2) business days upon receipt.

The following kit components are shipped frozen. For long-term storage, keep these components at -20°C.

For True-Labeling-AMP[™] 2.0

For cDNA Synthesis:

Tube	Contents
G1	TrueLabeling Primer
R1	RNase Inhibitor
G2	cDNA Synthesis Enzyme Mix
G3	5X cDNA Synthesis Buffer
H ₂ O	RNase-free H ₂ O

For Linear Amplification of RNA and cRNA Synthesis:

Tube	Contents
G24	2.5X RNA Amplification Buffer
G25	Amplification Enzyme Mix

The following kit components are shipped at ambient temperature. For long-term storage, keep them at room temperature.

For cRNA Purification

Tube	Contents
G6	Lysis and Binding Buffer
G17	Washing Buffer (Add 3 mL of ethanol before use.)
G26	RNase-free 10 mM Tris pH 8.0
	Spin Column (4)
	Collecting Tube (4)
	Elution Tube (4)

The following kit component is shipped at ambient temperature. For long-term storage, keep it at 4°C.

For Hybridization

Tube	Contents
H-01	GEAhyb Hybridization Solution

The following kit components are shipped at ambient temperature. For long-term storage, keep them at 4°C.

For Chemiluminescent Detection

Components

GEAblocking Solution Q
AP-Streptavidin
5X Buffer F (5X Washing Buffer)
Buffer G (AP Assay Buffer)
CDP-Star[®] Substrate

See User Manual for more details and additional reagents required.

Product Specification Sheet



Labeled Ribonucleotide

Note: Biotinylated-UTP (10 mM) must also be purchased from another manufacturer to use the TrueLabelingAMP™ portion of this kit.

Recommended suppliers are listed here:

Roche Applied Science, Biotin-16-UTP: Cat. No. 11388908910

Perkin Elmer, Biotin-11-UTP: Catalog # NEL543001EA

Enzo Biochemicals, Biotin-16-UTP: Cat. No. 42814

Shelf Life

All reagents are stable for 6 months after receipt of the kit if stored at the recommended temperature.

Related Products

Oligo GEArray® Microarrays

(See www.superarray.com/ArrayList.php for complete listings - custom options available)

ArrayGrade™ Total RNA Isolation Kit (GA-013)

Oligo GEArray® Reagent Kit (GA-034, for 12 arrays)