

# Oligo GEMArray<sup>®</sup> Reagent Kit

**Catalog Number**

GA-034

**Contents**

Reagents to process twelve (12) Oligo GEMArray<sup>®</sup> microarrays

**Description**

The Oligo GEMArray Reagent Kit is designed to complement experiments using a larger number of Oligo GEMArrays by including in one package all of the reagent kits required for a complete experiment. The kit contains the complete set of components for target labeling and amplification, target purification, hybridization, and detection. Enough of these accessories are provided in the Reagent Kit to process up to twelve 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<sup>™</sup> 2.0 (Cat. No. GA-030)**

**For cDNA Synthesis:**

Tube	Contents
G1	TrueLabeling Primer
R1	RNase Inhibitor
G2	cDNA Synthesis Enzyme Mix
G3	5X cDNA Synthesis Buffer
H <sub>2</sub> O	RNase-free H <sub>2</sub> 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 (Cat. No. GA-012)**

Tube	Contents
G6	Lysis and Binding Buffer
G17	Washing Buffer (Add 10 mL of ethanol before use.)
G26	RNase-free 10 mM Tris pH 8.0 Spin Column (12) Collecting Tube (12) Elution Tube (12)

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

**For Hybridization (Cat. No. H-01)**

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 (Cat. No. D-01)**

**Components**

GEAblocking Solution Q  
AP-Streptavidin  
5X Buffer F (5X Washing Buffer)  
Buffer G (AP Assay Buffer)  
CDP-Star<sup>®</sup> 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 GEMicroarrays® Microarrays

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

ArrayGrade™ Total RNA Isolation Kit (GA-013)