

TrueLabeling-AMP™ 2.0

Catalog Number

GA-030

Contents

Labeling Reagents for Twelve (12) RNA Samples

Description

TrueLabeling-AMP™ 2.0 is designed to rapidly amplify and label antisense RNA for hybridization to the Oligo GEArray® from SuperArray Bioscience. Starting from total RNA, this kit utilizes a proprietary and patent-pending linear RNA amplification and labeling procedure to synthesize labeled antisense RNA (aRNA), also known as labeled cRNA target. The method provides a very simple and robust procedure that requires only one tube, without any intermediate cleanup steps, and less than three hours to generate enough labeled cRNA for Oligo GEArray® hybridization when starting with more than 1.0 µg of total RNA. Alternatively, when starting with as little as 100 ng of total RNA, the amplification time may be lengthened to increase the yield in order to obtain enough cRNA to perform Oligo GEArray® analysis. TrueLabeling-AMP™ 2.0 has been specifically designed for the Oligo GEArray® and optimized for improved sensitivity while maintaining the representation of the original RNA.

Materials Included

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.

For cDNA Synthesis:

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

For cRNA Synthesis, Labeling, and Amplification:

Tube ID	Contents
G24	2.5X RNA Polymerase Buffer
G25	RNA Polymerase Enzyme

Note: Biotin-UTP must also be purchased from another manufacturer to use this kit (see page 2). See User Manual for more details and additional reagents required.

Storage Conditions


The TrueLabeling-AMP™ 2.0 kit is shipped frozen (on dry ice or ice blocks). For long-term storage, keep entire box at -20 °C.

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)
ArrayGrade™ cRNA Cleanup Kit (GA-012) Oligo GEArray® Starter Kit (GA-029)
ArrayGrade™ Total RNA Isolation Kit (GA-013) Oligo GEArray® Reagent Kit (GA-034)

Product Specification Sheet



Labeled Ribonucleotide

Note: Biotinylated-UTP (10 mM) must also be purchased from another manufacturer to use TrueLabelingAMP™ 2.0. 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