Superior RNA Labeling Delivers Improved Results

BIOARRAY™ Single-Round RNA Amplification and Biotin Labeling System (ENZ-42420)

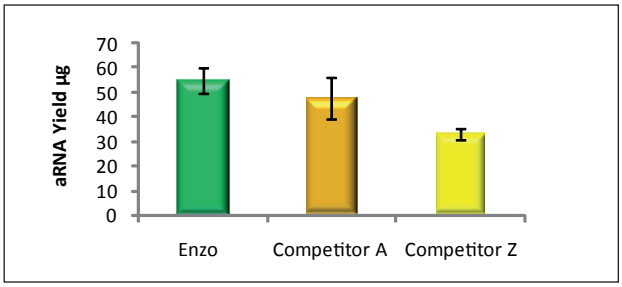
Greater Biotin Incorporation Improves Data Quality and Analysis

The BIOARRAY Single-Round RNA Amplification and Biotin Labeling System provides an optimized protocol and reagents for the production of biotin-labeled antisense RNA (aRNA) from total cellular RNA samples in less than 24 hours for array analysis. This kit has been improved to yield sufficient aRNA quantity for most microarray platforms (10 µg minimum) with total RNA input of as low as 250 ng and as high as 5 µg. The higher yield results from an improved cDNA purification system, now provided with the kit.

The BIOARRAY Single-Round RNA Amplification and Biotin Labeling System has been optimized for superior performance with reduced variability and improved reproducibility and data quality. The complete system is composed of reagents for cDNA synthesis and purification and *in vitro* transcription labeling.

- Maintains the value of legacy data by the continued use of the Enzo kit, the gold standard for GeneChip® visualization.
- Decreases experimental variation and standardizes biological data derived from microarrays with the universally accepted system.
- Maximizes incorporation efficiency and produces strong, clear displays by utilizing two biotin-labeled nucleotides and a high quality T7 polymerase.
- Convenient workflow with a flexible 4-16 hour transcription time and reagents supplied in a ready-to-use format.
- Enables correlation of results from experiment-to-experiment, project-to-project, and lab-to-lab.

BIOARRAY Labeling System Improves aRNA Yield



RELATED PRODUCTS	
PRODUCT NAME	**PRODUCT #**
BIOARRAY Deoxyoligo B2	ENZ-42662
BIOARRAY Eukaryotic Hybridization Controls	ENZ-42661
BIOARRAY HIGHYIELD® RNA Transcript Labeling Kit (T7)	ENZ-42655
BIOARRAY Single-round RNA Amplification and Biotin Labeling System (100 reaction)	ENZ-42421
Control RNA	ENZ-42406

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