

GeneChip® T7-Oligo(dT) Promoter Primer Kit

Ready-to-Use Kit for Maximum Consistency and Minimum Variability

The T7-Oligo(dT) Promoter Primer Kit contains:

- T7-Oligo(dT) promoter primer (50 µM)
- RNase-free water

This reagent kit is an essential component of the eukaryotic target labeling procedure for expression analysis using GeneChip® probe arrays*.

Because the T7-Oligo(dT) promoter primer is used in the first step of the target labeling assay (represented schematically in Figure 1), the integrity and quality of the primer are critical to the success of the entire procedure.

To deliver these critical qualities, and consistent batch-to-batch quantity and purity for optimal assay reproducibility, this reagent kit was tested and is quality assured for its functionality in preparing targets for the GeneChip probe arrays.

Each reagent kit provides sufficient primer for 150 labeling reactions. All components are ready to be added directly to RNA samples to initiate the first strand cDNA synthesis reaction. The T7-Oligo(dT) promoter primer is able to sustain at least twenty-five freeze-thaw cycles without compromise in performance.

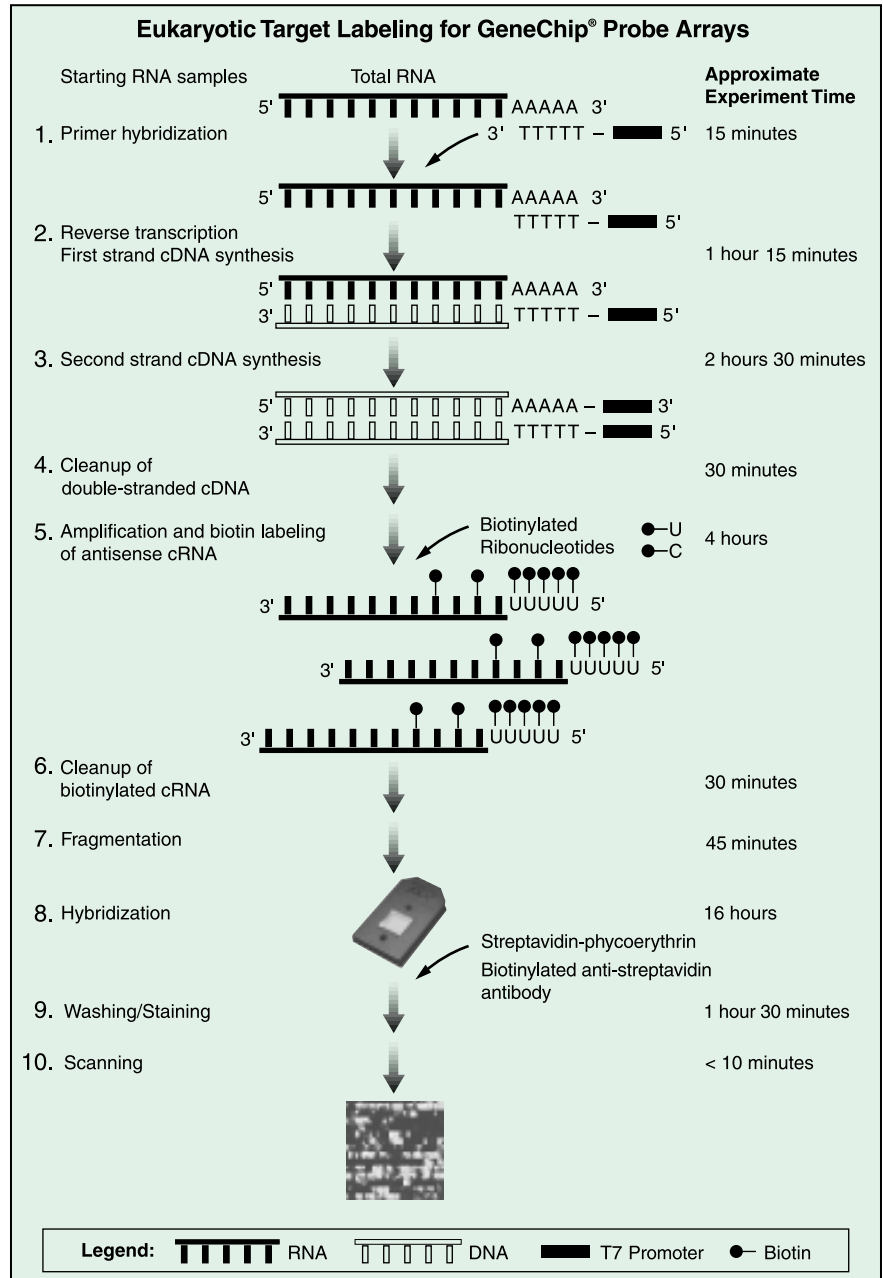


Figure 1. Schematic representation of standard eukaryotic target labeling assay for expression profiling using GeneChip probe arrays.

For additional technical information about how to use this reagent kit for preparation of targets for GeneChip probe arrays, see the following documents at www.affymetrix.com:

- GeneChip Expression Analysis Technical Manual
- GeneChip Eukaryotic Small Sample Target Labeling Technical Note

For more information or to place an order, contact your Affymetrix Account Manager in the U.S. at 1-888-DNA-CHIP (1-888-362-2447), or in Europe at +44 (0) 1628 552550.

* This kit conveys a license to U.S. Patent numbers 5,569,584; 5,545,522; 5,716,785; 5,891,636; and 6,291,170. Those who do not use this kit to prepare targets for GeneChip probe arrays may be required to obtain a license under these patents.

Ordering Information:

| Part No. | Size | Components |
|----------|----------|--|
| 900375 | 150 rxns | 50 μ M T7-oligo(dT) primer, HPLC purified 300 μ L X one vial (sequence: 5' – GGCCAGTGAATTGTAATACG ACTCACTATAGGGAGGCGG –(dT) ₂₄ –3') |
| | | RNase-free water 825 μ L X two vials |




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