Certificate of Analysis

Capture Beads

Catalog Nos.	Amount	Lot Number
635039	Each	Specified on product label.

Description

Capture Beads are magnetic particles with streptavidin coated on the surface. They exhibit very low, non-specific adsorption of protein and nucleic acids on the particle surface, and therefore can be used for recovering high-purity, biotin-labeled molecules from samples. Additionally, the hydrophilic polymer on the Capture Beads does not inhibit enzymatic reactions such as PCR or reverse transcription. Capture Beads are used as a part of the components set for the SMARTer® Target RNA Capture for Illumina® kit.

Package Contents

Package 1:

4 x 250 µl Capture Beads (1%)

Package 2:

5 x 480 µl 2X Capture Buffer

3 x 30 ml 1X Wash Buffer

Storage Conditions

- Store Capture Beads at 4°C. Do not allow to freeze.
- Store all other reagents at –20°C.

Shelf Life

- 1 year from date of receipt under proper storage conditions.

Shipping Conditions

- Capture Beads: Blue ice (4°C)
- All other components: Dry ice (–70°C)

Product Documents

Documents for Clontech® products are available for download at **www.clontech.com/manuals**
The following documents apply to this product:

- SMARTer Target RNA Capture for Illumina User Manual

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Quality Control Data

Capture Beads were functionally tested using other reagents from the SMARTer Target RNA Capture for Illumina kit. Reactions were assembled and performed as described in the SMARTer Target RNA Capture for Illumina User Manual.

10 ng of Control Total RNA was hybridized to 1 pmol biotinylated probes against HPRT1 as described in the SMARTer Target RNA Capture for Illumina User Manual. Following purification with an Agencourt AMPure XP kit (Beckman Coulter, Cat No. A63880 or A63881), the resulting hybridized complexes were captured on the Capture Beads. The captured complexes were subjected to first-strand cDNA synthesis on the beads. The first-strand cDNA was then used as template in PCR for 20 cycles on the beads. PCR products were separated from the Capture Beads, purified with an Agencourt AMPure XP kit, and re-suspended in 17 µl of Elution Buffer. 1 µl of the PCR product was analyzed with an Agilent Bioanalyzer and a High Sensitivity DNA Kit (Agilent, Cat No. 5067-4626). The resultant analysis indicated a single distinct cDNA peak in the size range of 1400 bp to 1650 bp. The regions from 1400 bp to 1650 bp (the peak) and from 400 bp to 10,000 bp (the entire range) were manually integrated. The peak represented at least 20% of the entire range. To calculate the total cDNA output, the concentration of the region from 400–10,000 bp, defined by Bioanalyzer software, was multiplied by 17 µl. Outputs ranged from 1.7–17 ng. No-RNA Control and No-Probe Control samples showed no distinct peak.

Notice to Purchaser

Capture Beads

CATALOG NO.

635039

NOTICE TO PURCHASER:

Our products are to be used for research purposes only. They may not be used for any other purpose, including, but not limited to, use in drugs, in vitro diagnostic purposes, therapeutics, or in humans. Our products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products or to provide a service to third parties without prior written approval of Clontech Laboratories, Inc.

Your use of this product is also subject to compliance with the licensing requirements listed below and described on the product´s web page at http://www.clontech.com. It is your responsibility to review, understand and adhere to any restrictions imposed by these statements.

TRADEMARKS:

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