

Mag-Bind® SeqDTR

Magnetic bead-based dye terminator clean-up

CAT NO: M1300



No Protocol Change

Drop-in replacement



Bead-Based

Scalable DNA purification
96-well or 384-well format



Quality

Read lengths averaging over
800 bps (Min Phred 20)



Lower BigDye Requirement

Enhanced DNA recovery with
only $1/_{32}$ or $1/_{16}$ dilutions of BigDye

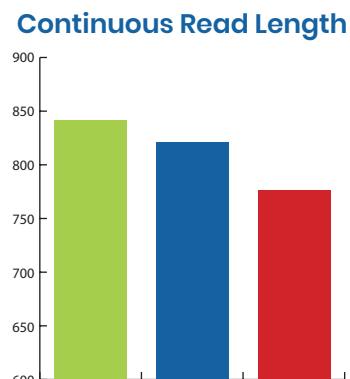
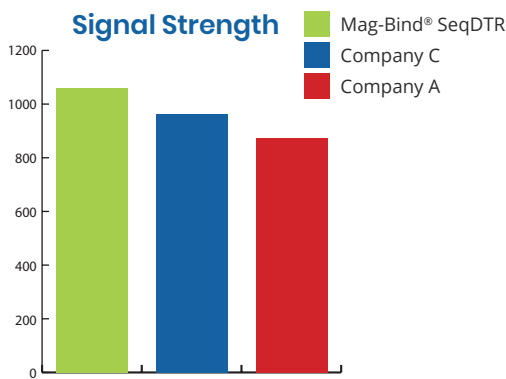


Automatable

Adaptable on most open-
ended liquid handlers

Mag-Bind® SeqDTR is designed to effectively and reliably remove unincorporated terminators from sequencing reactions. Sequencing products are mixed with the Mag-Bind® SeqDTR magnetic particles which selectively bind DNA. Two rapid wash steps eliminate trace contaminants, such as nucleotides and primers, to reduce background signal and therefore achieve higher QV scores.

The high sensitivity of the Mag-Bind® SeqDTR binding ability allows for decreased concentrations of BigDye® chemistry to be used and longer continuous read lengths to be achieved. Mag-Bind® SeqDTR can be processed in 96- and 384-well formats and is compatible with many open-ended liquid handling instruments including Hamilton Microlab® STAR™ and STARlet™, Beckman Coulter Biomek® FX™ and NX™, and Tecan Evo® instruments. Up to 4 plates can be run in a 96-well format in less than 25 minutes.



Comparison of Magnetic Bead-Based BigDye Clean Up Chemistries

Figure 1. Purified 1.8 kb PCR fragments were sequenced from each company using the recommended protocols. The median of 16 samples per company are represented here. A 5 µL sequencing reaction was performed using a 1/32 dilution of Applied Biosystems' BigDye Terminator v3.1 Chemistry. DNA was analyzed on an Applied Biosystems' 3730XL.

| Product Description | Preps | Cat No. |
|---------------------|--------|----------|
| Mag-Bind® SeqDTR | 5 mL | M1300-05 |
| | 50 mL | M1300-08 |
| | 500 mL | M1300-50 |

For free samples of any of our kits, visit www.omegabiotek.com



innovations in nucleic acid isolation

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