

HighPrep™ DTR

Dye Terminator Removal - Bead-Based Sequencing Clean Up System

Hassle free replacement of competitor's product for just a fraction of the cost.

Description

HighPrep™ DTR is a paramagnetic bead-based system, designed to remove unincorporated terminators from Sanger sequencing reaction. The HighPrep™ DTR system consists of a selective binding of DNA to the HighPrep™ DTR particles, followed with washing off nucleotides, primers and non-targeted amplicons, and finally elution of pure DNA to be directly used in downstream application. HighPrep™ DTR is designed for both manual and fully automated purification of sequencing products.

Overall Benefits

- Cost Effective. Save up to 30% to similar competitor.
- Get equal or better read lengths than competitor. See Figure 1.
- Long read lengths: Phred20 scores over 700
- Get pass rates of 85% or higher
- No centrifugation or vacuum steps
- Compatible with BigDye® v1.0, 1.1, 2.0, 3.0, 3.1 and other commonly used dyes
- Reduce BigDye® dilution in 1/4, 1/8, 1/16 and 1/32. Reduce sample cost.
- Flexible - can be adapted to most standard liquid handling robot
- Can be used in 96 or 384 well format



Comparative Analysis of HighPrep™ DTR vs CleanSEQ®

Plasmid DNA *	Signal Strength			CRL	QV	Reaction Template	
	HighPrep DTR	CleanSEQ				5x Buffer	Ratio
	HighPrep DTR	2155		636	56	5x Buffer	0.9375
	CleanSEQ	2096		635	55	BigDye	0.125
PCR: 1.8KB PCR fragments *	Signal Strength			CRL	QV	H ₂ O	1.9375
	HighPrep DTR	CleanSEQ				Primer (3.2p)	1
	HighPrep DTR	1044		844	50	DNA	1
	CleanSEQ	872		776	50		

Figure 1.
*All samples (plasmid and PCR products) are a median of 16 samples. 5 µl reactions.
NB: No dye blob or ski slop effect were observed.

Ordering Information

Cat No.	Product	Preps
DT-70005	HighPrep DTR (5 mL)	500 ¹ /1,000 ²
DT-70050	HighPrep DTR (50 mL)	5,000 ¹ /10,000 ²
DT-70500	HighPrep DTR (500 mL)	50,000 ¹ /100,000 ²

¹ Based on typical 10 µl reaction volume in a 96 well format.

² Based on typical 5 µl reaction volume in a 384 well format.