



MagDTR™ Dye Terminator Removal Resin

Product	Catalog #	Size	# Rxns	Recommended Protocol for Manual Application
MagDTR™ Dye Terminator Removal Resin	41744	5 ml	1250	<ol style="list-style-type: none"> Shake the resin bottle to re-suspend the contents. Dispense 4µl of the magnetic resin to the sequencing reaction. <p>Note: It is important to mix the resin prior to dispensing. Do not allow the resin to sit for more than 30 seconds before dispensing. Do not use a repeat pipettor to dispense the resin.</p> Add 2 volumes of 100% ethanol relative to the total volume from Step 2. Immediately pipet mix 10 times. Incubate at room temperature for 5 minutes <i>(Example: For a 10 µl sequencing reaction + 4 µl resin, add 28 µl of 100% ethanol)</i> Set the plate on the magnetic separator, aspirate and discard the ethanol. <p>Note: It is critical to remove all ethanol at this step because it contains excess fluorescent dyes. Be sure to expel all residual ethanol from tip prior to subsequent aspirations, if needed.</p> Add 100µl of 80% ethanol to each well, pipet mix gently 15 times. Aspirate and discard the ethanol. <p>Note: It is critical to remove all ethanol at this step because it contains excess fluorescent dyes. Be sure to expel all residual ethanol from tip prior to subsequent aspirations, if needed.</p> Repeat steps 5 and 6. Remove plate from the magnetic separator. Air dry at room temperature for a minimum of 10 minutes, or until all ethanol has evaporated. Add 20µl of de-ionized water to the resin. <p>Note: For sample elution, consult the instrument manufacturer's recommendation for sample handling.</p> Pipet mix 20 times rapidly to disperse resin.
MagDTR™ Dye Terminator Removal Resin	21971	25 ml	6250	
MagDTR™ Dye Terminator Removal Resin	34262	125 ml	31250	
MagDTR™ Dye Terminator Removal Resin	60891	500 ml	125000	

Description

The MagDTR™ Dye Terminator Removal Resin is a magnetic resin suspension that binds sequencing reaction products. The process is facilitated by the addition of alcohol to the sequencing reaction mix. The resin is washed with alcohol and purified products are eluted in water.

Kit Components	41744	21971	34262	60891
MagDTR™ Resin	5 ml (PN 4050175)	25 ml (PN 4050176)	125 ml (PN 4050177)	500 ml (PN 4050178)

Equipment and Materials Required

- Magnetic Separator (MagWell™ Magnetic Separator 96 Cat. #57624 for 96-well formats)
- Multi-channel pipet
- 96-well microplate
- 100% Ethanol

Storage Condition

Store the MagDTR™ Resin at room temperature. Do not freeze.

Quality Control

Tested for sequencing quality and accuracy on a capillary sequencer.

Warning: This product is intended for **research use only**. It is not to be used for diagnostic purposes in humans or animals.

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Note: It is not necessary to completely disperse the resin to achieve optimal yields.

12. Place plate on the magnetic separator for 10 seconds, and transfer the supernatant for sequencing. The eluate contains purified sample ready for loading on sequencers.

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