D-Pure™ Dye Terminator Removal Kit

Product Information

Store the kits at +4 C. Use the D-Pure™ Purification kit for cleaning up DyeTerminator Cycle Sequencing reactions by removing unincorporated DyeTerminators and salts.

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Manual protocol (96 well format) for 10 µl Sequencing Reactions

1. Resuspend the D-Pure bead solution by shaking.
2. Add 10 µL homogenized D-Pure bead solution into each sample.
3. Add 41,6 µl 85% ethanol into each sample and thoroughly mix by pipetting.
   NOTE: ***For sequencing reactions with a volume other than 10 µl, add a volume of ethanol based on the equation: 85% ethanol volume (µl) = 2.077 x (10 + sample volume (µl))***
4. Place the sample plate onto the 96-well magnetic plate and wait for 3 minutes or until the solution is clear.
5. While the plate is on the magnet, aspirate the solution (supernatant) from the sample wells and discard.

6. Add 100 µl of 85% ethanol into each well and wait 30 seconds.
   It is important to do this step while the plate is situated on the magnetic plate. There is no need to resuspend the beads
7. Aspirate ethanol and discard.
   It is important to do this step while the plate is situated on the magnetic plate. Remember to fully remove the ethanol as it contains contaminants.
8. Repeat steps 6 and 7 for a total of two ethanol washes.
9. Air-dry sample in room temperature for 10 minutes. Do not over dry as it can degrade the fluorescent dye.
   Sample plate can be placed on or off the magnetic plate while drying.
10. Add 40 µl of elution buffer(0.1 mM EDTA ph 8.0 or DiH20) and mix thoroughly by pipetting and incubate at room temperature for 5 minutes.
    Note:Sample plate must be off the plate for elution. Make sure beads are fully re-suspended after mixing.
11. Place sample plate on magnetic plate and wait 3 minutes or until solution clears.
    While keeping sample plate on the magnet, transfer 35 µl of cleared solutions onto a new plate.
    Note: 5 µl - 10 µl is left behind to prevent bead transfer as it can interfere with injection. If beads do transfer, place samples back onto original plate and re-transfer onto new plate

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