A&A BIOTECHNOLOGY
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Manual

ExTerminator 96-well

Nucleotide dye terminators removal kit for DNA cycle sequencing reaction samples. Form: 96-well plates.

catalog #	size
444-192	192 isolations
444-384	384 isolations

For research use only.

Guarantee
A&A Biotechnology provides a guarantee on this product.
The company does not guarantee the correct performance of this kit in the event of:

- not adhering to the supplied protocol
- use of not recommended equipment or materials
- use of other reagents than recommended or which are not a component of the product
- use of expired or improperly stored product or its components

Table of Contents

Contents

component	444-192	444-384	storage
P96 purification plate	2 pcs.	4 pcs.	15–25 °C
R96 receiving plate	2 pcs	4 pcs	15–25 °C
E96 elution plate	2 pcs	4 pcs	15–25 °C
Reservoirs	1 pcs	1 pcs	15–25 °C
WP bind/wash solution	70 ml	130 ml	15–25 °C
Mix Blue (8-tube strip)	1.6 ml (2 pcs)	3.2 ml (4 pcs)	15–25 °C
Ultrapure water	15 ml	30 ml	15–25 °C

Binding capacity of minicolumn: up to 10 µg

Additional equipment and reagents

Necessary

- Centrifuge with swing-out rotor for 96-well plates (5.7 cm high).

Isolation protocol

Note: If cycle sequencing reaction is less than 10 µl add an appropriate volume of ultrapure water to reach the final volume of 10 µl.

1. Assemble the **P96** purification plate with the **R96** receiving plate.
2. Add **5 µl** of **Mix Blue** to the cycle sequencing mixture (performed in10-20 µl).
3. Add **100 µl** of **WP** bind/wash solution. Mix by pipetting.
4. Apply the samples onto wells of the **P96** purification plate.
5. Transfer the assembled plates to the swing-out rotor.

   Note: If an odd number of plates use the counter-plate for centrifugation.

   Centrifuge for **1 min** at **2 000 x g**.

   Note: light blue color of the minicolumn membrane is a result of efficient precipitation of sequencing products.
6. Apply **200 µl** of **WP** bind/wash solution onto each well of the **P96** purification plate.
7. Centrifuge for **10 min** at **2 000 x g**.
8. Carefully separate the plates. Remove the **R96** receiving plate.
   Assemble the **P96** purification plate with the **E96** elution plate.
9. Apply **35 µl** of **ultrapure water** directly onto each well of the **P96** purification plate.

   Applying ultrapure water onto the well be sure that liquid is applied directly onto the resin. If some water stays on the wall the elution will be less effective.

   Keep for **2 min** at **room temp.**
10. Transfer the assembled plates to the swing-out rotor.

    I**Note:** light blue color of the minicolumn membrane is a result of efficient precipitation of sequencing products.

    Centrifuge for **2 min** at **2 000 x g**.
11. Clear light blue appearance of the eluted samples confirms the correct isolation of cycle sequencing DNA products. Blue color of the sample does not affect the readout of the DNA sequence.
    The samples are ready for thermal denaturation.

12. Store the samples at **-20 °C** until later use.

Safety information

DANGER

WP bind/wash solution

H225 Highly flammable liquid and vapor.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
P210 Keep away from heat, sparks, open flames, hot surfaces. No smoking.
P261 Avoid breathing vapors.
P305+P351+P338 If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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