

BILATEST

Sequence Cleanup Kit



100 Extractions

Product description

The BILATEST Sequence Cleanup Kit is designed for the simple and fast purification of Sequencing Reaction products.

This kit contains enough materials for 100 x 20 µl Sequencing Reaction product purifications and is scaleable for other sample volumes.

Included reagents

Reagent	Volume
(1) Magnetic Beads	2 ml
(2) Binding Buffer	10 ml
(3) Washing Buffer	20 ml

Required Materials

This kit is optimized for use with BILATEC Magnetic Separators (e.g. BILATEST magnetic separator M 12+12 for 1.5ml tubes, Order-No. 210141).

Storage Conditions and Safety Information

This kit may be stored at room temperature (15 – 25°C) and is stable for at least 1 year following delivery. The kit buffers contain irritant substances. Take appropriate laboratory safety measures and wear gloves when handling.

Samples and Protocol Adjustments

This protocol is completely scaleable for other PCR product volumes.

Purification Protocol for Sequencing Reaction Products

1. Place the **Sequencing Reaction solution** in an appropriate tube. Add **20 µl Magnetic Beads (1)** and **100 µl Binding Buffer (2)**.

Be sure to resuspend the Magnetic Beads before dispensation; if they have been standing for a long period of time it may help to vortex them briefly before removal.

2. Mix with 4 – 5 pipetting strokes and incubate **5 minutes at room temperature**.

3. Following incubation, separate the **Magnetic Beads (1)** against the side of the tube. Wait 30 seconds or until all the beads have been attracted to the magnet. Pipette off the supernatant and then remove the tube from the magnet.

4. Add **100 µl Washing Buffer (3)** to the tube and thoroughly resuspend the beads in the washing buffer by pipetting the bead pellet up and down 4 times.

5. Separate all of the **Magnetic Beads (1)** against the side of the tube and then discard the supernatant.

6. Remove tube from the magnet position.

7. Repeat steps 3-6 using **100 µl Washing Buffer (3)**.

8. Remove the tube from the magnet.

9. Let the beads **air-dry** for approximately **10 minutes at room temperature**.

10. Add the appropriate elution/loading solution to the tube and resuspend the Bead/Sequencing Reaction Product complex by pipetting.

11. Place the tube (lid open) in a thermomixer and incubate the suspension for **2 minutes at 55°C**, with agitation, to facilitate complete elution of the purified Sequencing Reaction Product.

12. Following elution, separate the **Magnetic Beads (1)** against the side of the tube for 2 minutes to remove all of the beads from suspension.

13. Transfer the eluate containing the purified Sequencing Reaction Product to a clean tube. The purified Sequencing Reaction can now be sequenced.