

EXO PCR CLEANUP

MADE IN DENMARK

Cat. No.: 257637

5000 Reactions

-	Exo PCR CleanUp
ID No.	CL1.000-0053
Cap colour	Green
Content	10 tubes x 1 ml

Features and General Description

Exo PCR CleanUp consists of a heat labile Exonuclease I (HL-ExoI) and a recombinant Shrimp Alkaline Phosphatase (rSAP). Treatment of PCR products with Exo PCR CleanUp, removes residual primers and dNTPs. Add Exo PCR CleanUp directly to the reaction containing the amplified PCR product. After treatment at 37 °C for minimum 2 minutes, Exo PCR CleanUp is completely inactivated by heating at 80 °C for minimum 3 minutes. No sample loss is observed after treatment with Exo PCR CleanUp.

Composition of Exo PCR CleanUp

- Balanced mixture of a heat labile Exonuclease I (HL-ExoI) and a recombinant Shrimp Alkaline Phosphatase (rSAP).

Quality Control

Exo PCR CleanUp is functionally tested by spiking a PCR product with dNTPs and primers followed by sanger sequencing by capillary electrophoresis. HL-ExoI and rSAP are tested individually for double stranded and single stranded endonuclease activity.

Protocol

This protocol serves as a guideline for clean-up of 5 µl PCR product using Exo PCR CleanUp*.

1. Take out Exo PCR CleanUp from the -20 °C freezer.
2. Keep Exo PCR CleanUp on ice at all times.
3. Add 2 µl Exo PCR CleanUp** to 5 µl of amplified PCR product.
4. Mix well and spin down.
5. Incubate the reaction at 37 °C for 2 - 5 minutes to degrade remaining primers and to inactivate excess nucleotides by dephosphorylation.
6. Incubate at 80 °C for 3 - 10 minutes to completely inactivate Exo PCR CleanUp.
7. The cleaned up PCR product can now be used for downstream applications such DNA sequencing, primer extension experiments or SNP analysis.
8. After treatment the PCR products can be stored at -20 °C

*If treating PCR product of higher volume, then increase proportionally the amount of Exo PCR CleanUp. **Exo PCR CleanUp works in PCR buffers.

Recommended Storage and Stability

Store at -20 °C. Product expiry at -20 °C is stated on the label.

For Research Use Only. Not for use in diagnostics procedures.

Other product sizes, combinations and customized solutions are available. Please look at www.dutscher.com or ask for our complete product list for PCR Enzymes. For customized solutions please contact us.

Made in Denmark

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