EXO PCR CLEARUP

Cat. No.: 257635

100 Reactions

-	PureIT ExoZAP PCR CleanUp
ID No.	**CL0.020-0053**
Cap colour	**Green**
Content	1 tube x 0.2 ml

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 Europe

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Features and General Description

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

Composition of Exo PCR ClearUp

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

Quality Control

Exo PCR ClearUp 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 ClearUp*.

1. Take out Exo PCR ClearUp from the -20 °C freezer.
2. Keep Exo PCR ClearUp on ice at all times.
3. Add 2 µl Exo PCR ClearUp** 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 ClearUp.
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 ClearUp. **Exo PCR ClearUp works in PCR buffers.

Recommended Storage and Stability