

PureIT ExoZAP PCR CleanUp

Introduction

PCR product clean-up methods based on enzymatic treatment with Exonuclease I (Exo I) and Shrimp Alkaline Phosphatase (SAP) offers the user an easy solution for the removal of excess primers and dNTPs.

PureIT ExoZAP PCR CleanUp consists of a heat labile Exonuclease I (HL-ExoI) and a recombinant Shrimp Alkaline Phosphatase (rSAP). Treatment of PCR products with PureIT ExoZAP PCR CleanUp degrades residual primers and dephosphorylates dNTPs in just 5 minutes.

After enzymatic treatment at 37 °C for minimum 2 minutes, PureIT ExoZAP PCR CleanUp is completely inactivated by heating at 80 °C for at least 3 minutes.

Features of PureIT ExoZAP PCR CleanUp

- One-step PCR product clean-up
- 5 min protocol
- No need for spin columns or magnetic beads
- Scalable for different reaction sizes
- Treatment optimizes downstream applications such as DNA sequencing
- Ideal for NGS library preparation protocols
- No sample loss

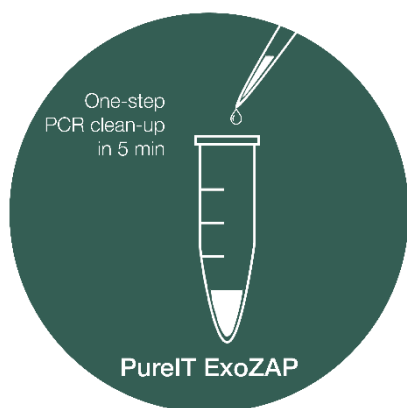


Figure 1.
One-step scheme for
PureIT ExoZAP

Protocol:

Clean-up of PCR products using PureIT ExoZAP PCR CleanUp

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

1. Take out PureIT ExoZAP PCR CleanUp from the -20 °C freezer.
2. Keep PureIT ExoZAP PCR CleanUp on ice at all times.
3. Add 2 µl PureIT ExoZAP 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 PureIT ExoZAP PCR CleanUp.
7. The cleaned up PCR product can now be used for downstream applications such as DNA sequencing, primer extension experiments or SNP analysis.
8. Treated PCR products can be stored at -20 °C

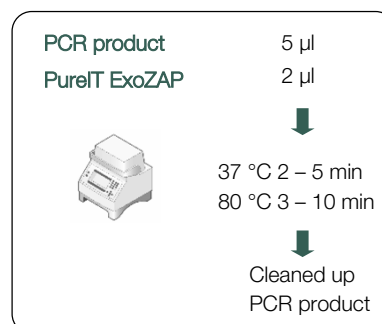


Figure 2. Schematic
presentation of PureIT
ExoZAP PCR CleanUp
protocol

Recommended storage and stability

Long term storage at -20 °C. Product expiry at -20 °C is stated on the label.

Ordering information

Cat. No.	Reactions	PureIT ExoZAP PCR CleanUp
A620601	100	1 x 0.2 ml
A620603	500	1 x 1 ml
A620606	2500	5 x 1 ml
A620607	5000	10 x 1 ml