



PureAsOne PCR CleanUp Kit

Cat. No.	Size (Reactions)	HL-ExoI 20 U/μl	rSAP 1 U/μl
Vial ID No. (cap color)	-	7200200 (Blue)	7200300 (Yellow)
AO600100-0100	100	1 vial x 0.05 ml	1 vial x 0.15 ml
AO600100-0500	500	1 vial x 0.25 ml	1 vial x 0.75 ml
AO600100-2000	2000	4 vials x 0.25 ml	4 vials x 0.75 ml
AO600100-5000	5000	10 vials x 0.25 ml	10 vials x 0.75 ml

Key Features

- Enzymatic PCR product clean up
- Fast 5 min protocol
- No need for spin columns or magnetic beads
- Treatment optimizes downstream applications such as DNA sequencing or SNP analysis
- Minimal loss of PCR product

Description

AS ONE's PureAsOne PCR CleanUp Kit consists of a heat labile Exonuclease I (HL-ExoI) and a recombinant Shrimp Alkaline Phosphatase (rSAP). Treatment of PCR products with PureAsOne PCR CleanUp Kit, removes residual primers and inactivates dNTPs. Add the two reagents from PureAsOne PCR CleanUp Kit directly to the reaction containing the amplified PCR product. After treatment at 37 °C for minimum 2 minutes, both enzymes are completely inactivated by heating at 80 °C for minimum 3 minutes.

Composition of PureAsOne PCR CleanUp Kit

Heat labile Exonuclease I (HL-ExoI) and a recombinant Shrimp Alkaline Phosphatase (rSAP).

Quality Control

PureAsOne PCR CleanUp Kit 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 PureAsOne PCR CleanUp Kit*.

1. Take out PureAsOne PCR CleanUp Kit from the -20 °C freezer.
2. Keep the components of PureAsOne PCR CleanUp Kit on ice at all times.
3. Add 1.5 μl rSAP and 0.5 μl HL-ExoI 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 both enzymes.
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.

Recommended Storage and Stability

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

Reagents for in vitro laboratory use only.

Other product sizes, combinations and customized solutions are available. Please contact us for customized solutions.

*If treating PCR product of higher volume, then increase proportionally the amount of HL-ExoI and rSAP. **HL-ExoI and rSAP remain active in PCR buffers.

Issued 04/2018