



## PureIT ExoZAP PCR CleanUp

MADE IN DENMARK

Cat. No.: A620699 – SAMPLE

10 Reactions

-	PureIT ExoZAP PCR CleanUp
ID No.	7200100
Cap colour	Green
Content	1 tube x 0.02 ml

### Features and General Description

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, removes residual primers and dNTPs. Add PureIT ExoZAP PCR CleanUp directly to the reaction containing the amplified PCR product. After treatment at 37 °C for minimum 2 minutes, PureIT ExoZAP PCR CleanUp is completely inactivated by heating at 80 °C for minimum 3 minutes. No sample loss is observed after treatment with PureIT ExoZAP PCR CleanUp.

### Composition of PureIT ExoZAP PCR CleanUp

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

### Quality Control

PureIT ExoZAP 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 PureIT ExoZAP PCR CleanUp\*.

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

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

### Recommended Storage and Stability

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

### Related Products

PureIT ExoZAP PCR CleanUp	Cat. No.
• 100 reactions	A620601
• 500 reactions	A620603
• 2500 reactions	A620606
• 5000 reactions	A620607

Loading Buffers and Ladders	Cat. No.
5x Loading Buffer Red *, 5 x 1 ml	A608104
PCR DNA Ladder **, 100 – 3000 bp, 1 x 0.5 ml	A610341

\*Also available with Blue, Orange or Cyan. \*\* Available in different size ranges.

Ultrapure dNTPs*	Cat. No.
dNTP Mix 40 mM (2 x 500 µl): 10 mM each dA, dC, dG, dT	A502004
dNTP Set, 100 mM each: 250 µl of each dA, dC, dG and dT	A511104

\*Other concentrations and Single dNTPs are available.

PCR Grade Water	Cat. No.
6 x 5 ml	A360056

AQ90 High Fidelity DNA Polymerase 2 U/µl*	Cat. No.
With 10x AQ90 Buffer – 500 U	A457403

\* Available in different size ranges.

Taq Polymerase (500 units) *	Cat. No.
Taq DNA Polymerase 5 U/µl	A110003
• with 10x Ammonium Buffer	A111103

Hot Start Polymerase (500 units) *	Cat. No.
TEMPase Hot Start DNA Polymerase, 5 U/µl	A220003
• with 10x Ammonium Buffer	A221103

\*Available in kits including one or two buffers (Ammonium Buffer, Standard Buffer or Combination Buffer). Available in different size ranges.

AQ90 High Fidelity DNA Polymerase 2x Master Mix*	Cat. No.
100 reactions	A470701

\* Available in different size ranges.

Taq Master Mixes (500 x 50 µl reactions) *	Cat. No.
2x Master Mix, 1.5 mM MgCl <sub>2</sub> final concentration	A140303
2x Master Mix RED, 1.5 mM MgCl <sub>2</sub> final concentration	A180303

TEMPase Hot Start Master Mixes (500 x 50 µl reactions) *	Cat. No.
2x Master Mix A**, 1.5 mM MgCl <sub>2</sub> final concentration	A230303
2x Master Mix A**BLUE, 1.5 mM MgCl <sub>2</sub> final concentration	A290403

\*Master mixes available also in 1.1x variants as well as 2 mM MgCl<sub>2</sub> variants, \*\*Mix A is Ammonium Buffer based, also available as Mix C based on Combination Buffer. Available in different size ranges

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

Other product sizes, combinations and customized solutions are available. Please look at [www.ampliqon.com](http://www.ampliqon.com) or ask for our complete product list for PCR Enzymes. For customized solutions please contact us.

Made in Denmark

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