



PureIT ExoZAP PCR CleanUp Kit

MADE IN DENMARK

Cat. No.: A630203



A630203

500 reactions

| | HL-Exol 20 U/μl | rSAP 1 U/μl |
|------------|--------------------|------------------|
| ID No. | 7200200 | 7200300 |
| Cap colour | Blue | Yellow |
| Content | 1 tube x 0.25 ml | 1 tube x 0.75 ml |

Features and General Description

PureIT ExoZAP PCR CleanUp Kit consists of a heat labile Exonuclease I (HL-Exol) and a recombinant Shrimp Alkaline Phosphatase (rSAP). Treatment of PCR products with PureIT ExoZAP PCR CleanUp Kit, removes residual primers and inactivates dNTPs. Add the two reagents from PureIT ExoZAP 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 PureIT ExoZAP PCR CleanUp Kit

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

Quality Control

PureIT ExoZAP PCR CleanUp Kit is functionally tested by spiking a PCR product with dNTPs and primers followed by sanger sequencing by capillary electrophoresis. HL-Exol 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 Kit*.

- Take out PureIT ExoZAP PCR CleanUp Kit from the -20 °C freezer.
- Keep the components of PureIT ExoZAP PCR CleanUp Kit on ice at all times.
- Add 1.5 μl rSAP and 0.5 μl HL-Exol 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 both enzymes.
- 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 HL-Exol and rSAP. **HL-Exol and rSAP remain active 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 Kit (HL-Exol + rSAP) | Cat. No. |
|--|----------|
| • 100 reactions | A630201 |
| • 500 reactions | A630203 |
| • 2500 reactions | A630206 |
| • 5000 reactions | A630207 |

| 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 ₂ final concentration | A140303 |
| 2x Master Mix RED, 1.5 mM MgCl ₂ final concentration | A180303 |

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

*Master mixes available also in 1.1x variants as well as 2 mM MgCl₂ variants, **Mix A is Ammonium Buffer based, also available as Mix C based on Combination Buffer. Available in different size ranges

Reagents for *in vitro* laboratory use only.

Other product sizes, combinations and customized solutions are available. Please look at 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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