ExoSAP-IT™ Express PCR Product Cleanup

Brief Protocol

Catalog Number 75001 and 75002

Doc. Part No. 75001b **Pub. No.** MAN0016835 **Rev.** A.0 (02/2017)

WARNING! Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. Safety Data Sheets (SDSs) are available from **thermofisher.com/support**.

Product description

ExoSAP-IT™ Express reagent treats PCR products ranging in size from less than 100 bp to over 20 kb with absolutely no sample loss by removing unused primers and nucleotides. Following PCR, add ExoSAP-IT™ Express reagent directly to treat your PCR products. ExoSAP-IT™ Express PCR Product Cleanup is active in commonly used PCR buffers, so no buffer exchange is required. After treatment, ExoSAP-IT™ Express reagent is inactivated by heating at 80°C for 1 minute. The treated PCR products are then ready for subsequent analysis in applications that require DNA to be free of excess primers and nucleotides. ExoSAP-IT™ Express reagent is offered in various formats, as well as a formulation that contains an inert tracking dye (Cat. No. 75002).

PCR cleanup protocol

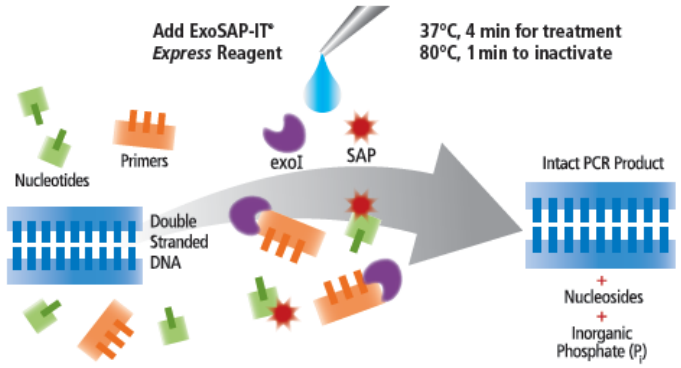
Recommended instrument requirements: Be sure that the heated cover of your thermal cycler either tracks the temperature of the thermal cycling block or supports specific temperature programming.

Note: Store ExoSAP-IT™ Express reagent at –20°C in a non-frost-free freezer.

1. Remove ExoSAP-IT™ Express reagent from –20°C freezer and keep on ice throughout the procedure.
2. Mix 5 µL of a post-PCR reaction product with 2 µL of ExoSAP-IT™ Express reagent. Mix thoroughly by gentle vortexing and quick spin to bring the contents to the bottom of the tube.

   When treating PCR product volumes greater than 5 µL, simply increase the amount of reagents proportionally.
3. Incubate the reaction in a thermal cycler with a heated lid.
   a. Incubate at 37°C for 4 minutes to degrade excess primers and nucleotides.
   b. Incubate at 80°C for 1 minute to inactivate ExoSAP-IT™ Express reagent.
   c. Hold at 4°C and transfer samples to ice.
4. The PCR product is now ready for use in DNA sequencing, SNP analysis, or other primer-extension applications. Treated PCR products may be stored at –20°C.

ExoSAP-IT™ Express PCR Product Cleanup product overview



Customer and technical support

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- Worldwide contact telephone numbers
- Product support, including:
  - Product FAQs
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- Order and web support
- Product documentation, including:
  - User guides, manuals, and protocols
  - Certificates of Analysis
  - Safety Data Sheets (SDSs; also known as MSDSs)

  Note: For SDSs for reagents and chemicals from other manufacturers, contact the manufacturer.

Limited product warranty

Life Technologies Corporation and/or its affiliate(s) warrant their products as set forth in the Life Technologies' General Terms and Conditions of Sale found on Life Technologies' website at **www.thermofisher.com/us/en/home/global/terms-and-conditions.html**. If you have any questions, please contact Life Technologies at **www.thermofisher.com/support**.

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