

ExoSAP-IT®

Product Numbers 78200/01/02/05

Brief Protocol

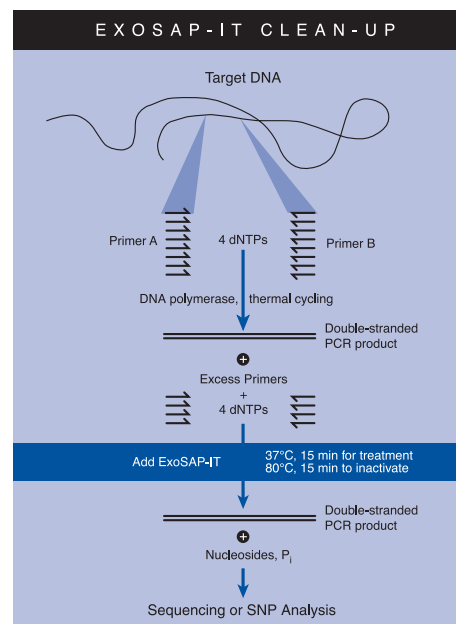
ExoSAP-IT treats PCR products ranging in size from less than 100 bp to over 20 kb with absolutely no sample loss by removing unused primers and nucleotides.

Add ExoSAP-IT directly to the reaction products following PCR. ExoSAP-IT is active in commonly used PCR buffers, so no buffer exchange is required. After treatment, ExoSAP-IT is inactivated by heating to 80°C for 15 minutes. The treated PCR products are now ready for subsequent analysis in applications that require DNA to be free of excess primers and nucleotides.

PCR Clean-Up Protocol:

1. Remove ExoSAP-IT from -20°C freezer and keep on ice throughout this procedure.
2. Mix 5 µl of a post-PCR reaction product with 2 µl of ExoSAP-IT for a combined 7 µl reaction volume.
Note: When treating PCR product volumes greater than 5 µl, simply increase the amount of ExoSAP-IT proportionally.
3. Incubate at 37°C for 15 min to degrade remaining primers and nucleotides.
4. Incubate at 80°C for 15 min to inactivate ExoSAP-IT.
5. The PCR product is now ready for use in DNA sequencing, SNP analyses, or other primer-extension applications. Treated PCR products may be stored at -20°C until required.

Note: Store ExoSAP-IT in a non-frost-free freezer.



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ExoSAP-IT is covered by U.S. Patent Nos. 6,379,940 and 6,387,634.

Exonuclease I/Shrimp Alkaline Phosphatase Method—These products or portions thereof are sold under license from GE Healthcare under U.S. Patent Nos. 5,741,676, 5,756,285 and related patents.

The Polymerase Chain Reaction (PCR) is covered by patents owned by Roche Molecular Systems and F. Hoffman-La Roche Ltd.

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P-78200B
rev 07/06