

## HT ExoSAP-IT® *Fast* High-Throughput PCR Product Cleanup

Product number 78595

### Brief protocol

HT ExoSAP-IT *Fast* High-Throughput PCR Product Cleanup enables rapid cleanup of any PCR product, with absolutely no sample loss, by degrading unused primers and nucleotides. This high-throughput formulation and packaging is designed for use with automated liquid handling systems or a multi-channel pipette. For your convenience, HT ExoSAP-IT *Fast* reagent is offered as a single tube or pre-dispensed into 8-tube strips, where each strip tube contains 60 reactions for a total of 480 reactions (or 5 x 96-well plates) per strip. HT ExoSAP-IT *Fast* reagent is also offered in a 96-well plate format, where each well contains 20 reactions for a total of 1,920 reactions per plate. The reaction volume is based on a 2 µl quantity of HT ExoSAP-IT *Fast* reagent per 5 µl of PCR product.

HT ExoSAP-IT *Fast* reagent should be stored at -20°C with minimal freeze/thaws, and it remains stable at 4°C for up to 1 month and at RT for up to 2 days, eliminating any concerns for temperature variability during large processing runs.

Add HT ExoSAP-IT *Fast* reagent directly to the reaction products following PCR. HT ExoSAP-IT *Fast* reagent is active in commonly used PCR buffers, so buffer exchange is not required. After treatment, HT ExoSAP-IT *Fast* reagent is inactivated by heating to 80°C for 7 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 cleanup protocol

1. Remove HT ExoSAP-IT *Fast* reagent from -20°C freezer and thaw on ice.
2. Mix 5 µl of PCR product with 2 µl of ExoSAP-IT *Fast* reagent for a combined 7 µl reaction volume.

Note: When treating PCR product volumes greater than 5 µl, simply increase the amount of HT ExoSAP-IT *Fast* reagent proportionally.

3. Incubate at 37°C for 7 minutes to degrade excess primers and nucleotides.
4. Incubate at 80°C for 7 minutes to inactivate HT ExoSAP-IT *Fast* reagent.
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 HT ExoSAP-IT *Fast* reagent in a non-frost-free freezer.

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

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ExoSAP-IT PCR Product Cleanup product line—These products are covered by patents owned by Affymetrix, including US Patent Nos. 6,379,940 and 6,387,634 and corresponding patents in Canada and Japan.

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