USB® ExoSAP-IT® PCR Product Cleanup

Product numbers 78200/01/02/05/50

Brief protocol

ExoSAP-IT 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.

Add ExoSAP-IT reagent directly to the reaction products following PCR. ExoSAP-IT PCR Product Cleanup is active in commonly used PCR buffers, so no buffer exchange is required. After treatment, ExoSAP-IT reagent 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 cleanup protocol:

1. Remove ExoSAP-IT reagent 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 reagent for a combined 7 µl reaction volume. Note: When treating PCR product volumes greater than 5 µl, simply increase the amount of ExoSAP-IT reagent proportionally.
3. Incubate at 37°C for 15 minutes to degrade remaining primers and nucleotides.
4. Incubate at 80°C for 15 minutes to inactivate ExoSAP-IT 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 ExoSAP-IT reagent in a non-frost-free freezer.

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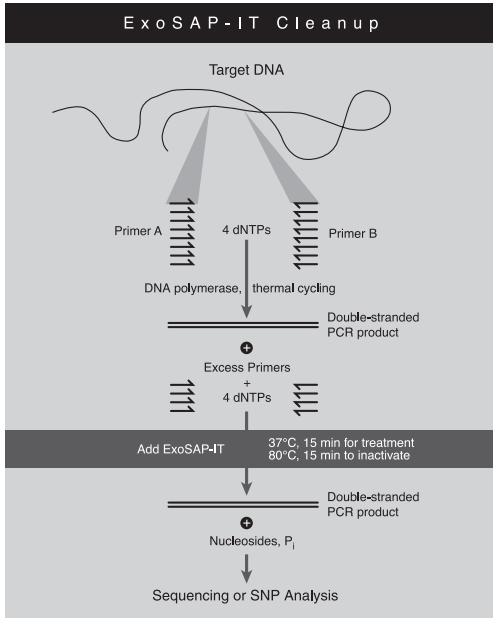

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