

PROTOCOLS FOR FORENSIC MITOCHONDRIAL DNA ANALYSIS

SDS CLEANUP		
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SDS Cleanup

PURPOSE: To help separate the primers from the cycle-sequenced DNA with the addition of 2% SDS to the samples, prior to Centri-Sep filtration.

PROCEDURE:

Do not refrigerate the 2% SDS tubes. This will cause the SDS to precipitate out of solution. Store the 2% SDS tubes at room temperature. Ensure that there is no precipitate in the tube before adding to samples.

1. Add 2 μ L of 2% SDS to each tube of cycle-sequenced DNA. Vortex and spin down the plate(s) in a centrifuge.
2. Place the tubes in a thermal cycler, using the following conditions-

9700 Thermal Cycler	The 2% SDS incubation file is as follows:
User: mtDNA	Soak at 98 °C for 5 minutes
File: SDS	Storage soak at 25 °C for 10 minutes

3. When the tubes are back to room temperature following the 25 °C soak, proceed to the Centri-Sep purification.