SDS Cleanup		
Status: Retired		Document ID: 1161
DATE EFFECTIVE 09/15/2017	APPROVED BY mtDNA Technical Leader	PAGE 1 OF 1

SDS Cleanup

1 Purpose

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

2 Notes

2.1 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.

2.2 **If necessary, transfer 1 mL of 2% SDS to a 1.5 mL microcentrifuge tube and place the tube into a thermomixer set at 37ºC to ensure the solution is at least at room temperature.**

2.3 Allow the cycle-sequenced DNA to equilibrate to room temperature before adding SDS.

2.4 **If necessary, place the plate containing your samples on a thermocycler set to 37ºC for 5-10 minutes to ensure that the samples are at least at room temperature.**

3 Cleanup

3.1 Using a multi-channel pipette, add 2 µL of 2% SDS to each well of cycle-sequenced DNA in a 96-well plate.

3.2 Use the 8-strip caps to re-seal each well after the SDS has been added.

3.3 Vortex and spin down the plate(s) in a centrifuge.

3.4 Place the tubes in a thermal cycler, using the following conditions-

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

3.5 When the tubes are back to room temperature following the 25 ºC soak, proceed to the Centri-Sep purification.