SECURIGENE

Medical DNA Testing Services • DNA Preservation Services

Sample Recovery Protocol for DNA Laboratory

For future testing, bring your sample along with this Sample Recovery Protocol to the testing Laboratory.

IMPORTANT! DO NOT OPEN THE DNA VIAL YOURSELF. THE DNA VIAL MUST BE OPENED BY THE TESTING LABORATORY.

To recover samples stored in the DNA vial, simply rehydrate the sample using the steps below. Samples are ready for immediate use in all downstream applications. It is not necessary to further purify rehydrated samples. The DNA in the desiccator can be restored for use by following these instructions:

1. Open the stainless steel desiccator and remove the glass chamber by twisting and pulling in a counter-clockwise motion. Remove the DNA vial from the metal base.

2. Add 10–100 µl of water, TE or other aqueous buffers such as restriction enzyme buffers, PCR buffers, and transfection reagents directly to the dried DNA in the DNA tube. Use of <10 µl can inhibit complete rehydration and decrease recovery.

3. Incubate at room temperature (15 - 25°C / 59 - 77°F) for 15 min to allow complete rehydration. A minimum rehydration time of 15 minutes is important for complete recovery of stored DNA. A shorter time of 5 minutes, with mixing, can be used, but the sample yield will be slightly reduced. Maximum rehydration time should not exceed 1 hour. Keep DNA tube covered with the cap during rehydration to avoid contamination and/or evaporation.

4. Mix the sample by gently pipetting up and down to resuspend the sample. Avoid forming bubbles while pipetting.

5. The rehydrated sample is now ready for downstream applications without the need for further purification.

6. Store unused rehydrated samples at 2 - 8°C / 36 - 47°F or room temperature for up to 10 days.

Questions? Contact us directly at 1 (877) 714-6359 or e-mail us at info@securigene.com