

EVALUATION OF GENETICS PROFILES ON TISSUE SAMPLES TRANSFERRED TO FTA PAPER

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Paper FTA is one of the supports that display advantages for the storage of samples to room temperature with a high efficiency of DNA recovery. This support was used for the biological collection of samples of two died new born, in a room of autopsy of a maternity with approximately 36 hours of deceased, to be identified by a test of paternity. The collection of tissue sample was made by a incision of 15 mm in length and 10 mm of depth with a scalpel at level of the upper side of femoral muscle, and with a wet swabs in sterile saline solution, the sample was transferred to a FTA gene Card. Blood from the umbilical cord, also was taken to be compared with the presumed parents. The samples were amplified in Gene Amp 9700 Thermal Cyclers using the PowerPlex 16 kit (Promega). PCR products were analyzed by electrophoresis 377 on ABI PRISM® Genetic Analyzers (Applied Biosystems) employing ABI software. The results demonstrated an agreement between the samples taken from tissue transferred to FTA and the cord-blood, allowing identifying one of new born like son of the pair. Demonstrating the utility of this methodology, that allows the transfer and storage of the samples of tissue at room temperature.