

**DNA PROFILING OF URINE SAMPLES USING DNA EXTRACTION KIT**

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Forty urine specimens obtained from 20 male and 20 female volunteers were analyzed for DNA profiling. The evidences of various urine sample have been submitted, especially for drug abuser case, to crime lab. To evaluate the utility of DNA polymorphism typing of urine stains in forensic investigations, the amplifiable amount of DNA was estimated in using QIAamp micro DNA purification kit. DNA obtained from urine was amplified with the AmpF $\ell$ STR Profiler PCR Amplification kit, and was analyzed by capillary electrophoresis using the Genetic Analyzer. The amount of male and female urine necessary for obtaining a complete DNA profile was 0.4ml and 0.2ml, respectively. Also when some specimens applied 0.05ml to DNA analysis were successfully obtained complete DNA profile. These specimens were positive for urine myoglobin(uMb).