

Schedule of Accreditation

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United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK



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Accredited to
ISO/IEC 17025:2017

King's College London - Trading as DNA analysis at King's

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Testing performed at the above address only

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
BODY FLUIDS and TISSUES Saliva <ul style="list-style-type: none"> - Swabs (buccal cells) - Stain cards Blood <ul style="list-style-type: none"> - Whole - Serum - Stains Body Tissue <ul style="list-style-type: none"> - Amniotic Fluid - Tissue Obtained by chorionic villus sampling - Paraffin embedded tissue - Muscle tissue 	<u>Relationship Analysis</u> Short Tandem Repeat (STR)/Mitochondrial/Y DNA profiling for relationship testing for: <ul style="list-style-type: none"> - Paternity - Maternity - Sibling - Extended relationship <ul style="list-style-type: none"> o Aunt/Uncle o Niece/Nephew o Grandparent o Grandchild o Cousin <u>Related Opinions and Interpretation</u> Comparison, interpretation and statistical analysis of DNA profiles against compatible DNA Profile information from within submitted cases	Documented In-House Methods using: <ul style="list-style-type: none"> - Manual/Automated extraction <ul style="list-style-type: none"> o Qiagen (EZ1) (SOP P2.2) o Chelex (SOP P2.1) - Manual quantification (SOP P5.4) <ul style="list-style-type: none"> o Quantifiler Trio (SOP P2.4) - Manual amplification using the following chemistry <ul style="list-style-type: none"> o Powerplex Fusion 6C (SOP P6.19) o ESI (P6.10) o CS7 (P6.13) o mtDNA (P6.18) o NIST 7-plex (P6.16) o Y23 (P6.14) o HDPLEX (P6.15) - PCR: Geneamp 9700 or Veriti (Applied Biosystems) (SOP P4.1) - Capillary Electrophoresis (SOP P5.1 and P5.2) <ul style="list-style-type: none"> o Applied Biosystems 3500xl Genetic Analyser© Documented In-House methods (SOP P9.1) <ul style="list-style-type: none"> - Genetic Characterisation <ul style="list-style-type: none"> o Genemapper ID-X (SOP P8.1) o Seqscape (SOP P8.2) Expert system <ul style="list-style-type: none"> o Familias software for paternity and kinship statistical calculations (SOP P8.2)
END		