

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>7850</p> <p>Accredited to ISO/IEC 17025:2017</p>	<p>King's College London - Trading as DNA analysis at King's</p> <p>Issue No: 012 Issue date: 02 September 2024</p>	
	<p>4th Floor Franklin Wilkins Building 150 Stamford Street London SE1 9NH</p>	<p>Contact: Dr D Syndercombe Court Tel: +44 (0)2078484130 Fax: +44 (0)2078484129 E-Mail: denise.syndercombe-court@kcl.ac.uk Website: www.kcl.ac.uk/dnaanalysis</p>
<p>Testing performed at the above address only</p>		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>BODY FLUIDS and TISSUES</p> <p>Saliva</p> <ul style="list-style-type: none"> - Swabs (buccal cells) - Stain cards <p>Blood</p> <ul style="list-style-type: none"> - Whole - Serum - Stains <p>Body Tissue</p> <ul style="list-style-type: none"> - Amniotic Fluid - Tissue Obtained by chorionic villus sampling - Paraffin embedded tissue - Muscle tissue 	<p><u>Relationship Analysis</u></p> <p>Short Tandem Repeat (STR)/Mitochondrial/Y DNA profiling for relationship testing for:</p> <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 <p><u>Related Opinions and Interpretation</u></p> <p>Comparison, interpretation and statistical analysis of DNA profiles against compatible DNA Profile information from within submitted cases</p>	<p>Documented In-House Methods using:</p> <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© <p>Documented In-House methods (SOP P9.1)</p> <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) <p>Expert system</p> <ul style="list-style-type: none"> o Familias software for paternity and kinship statistical calculations (SOP P8.2)
<p>END</p>		