

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS TESTING</p> <p>7816</p> <p>Accredited to ISO/IEC 17025:2017</p>	<p>Biofortuna Limited trading as NorthGene</p> <p>Issue No: 022 Issue date: 01 December 2025</p>	
	<p>2 Tenth Avenue Deeside Industrial Park Deeside CH5 2UA</p>	<p>Contact: Kathryn Marshall Tel: +44 (0)151 334 0182 E-mail: Quality@biofortuna.co.uk Website: www.northgene.co.uk</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) - FTA Cards <p>Blood</p> <ul style="list-style-type: none"> - FTA Cards <p>Body Tissue</p> <ul style="list-style-type: none"> - Muscle - Bone - Teeth - Hair - Paraffin embedded tissue <p>Cellular Material</p> <ul style="list-style-type: none"> - Surrogate reference samples (e.g. toothbrushes and razors) 	<p><u>Relationship Analysis</u></p> <p>Short Tandem Repeat (STR) DNA profiling for relationship testing for:</p> <ul style="list-style-type: none"> - Paternity - Maternity - Sibling - Extended relationships (Aunt/Uncle, Niece/Nephew, Grandparent, Grandchild) <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 Manual/Automated extraction</p> <ul style="list-style-type: none"> - ForensicGEM kit (NG-LAB-005 & NG-LAB-053) - Promega SwabSolution™ (NG-LAB-067) - Chelex InstaGene™ (NG-LAB-053 & NG-LAB-085) <p>Documented In-House Methods using DNA Isolation Kit</p> <ul style="list-style-type: none"> - QIAamp® DNA FFPE Tissue kit (NG-LAB-026) <p>Documented In-House Methods using Manual/Automated/Direct amplification and the following chemistry</p> <ul style="list-style-type: none"> - Powerplex fusion (NG-LAB-039) <p>Documented In-House Methods using Electrophoresis</p> <ul style="list-style-type: none"> - Applied Biosystems 3500 and 3500xl Genetic Analysers® (NG-LAB-075) <p>Documented In-House Methods for Genetic Characterisation</p> <ul style="list-style-type: none"> - GeneMapper IDX v1.5 (NG-LAB-073) - Match Probability (NG-LAB-021 & NG-LAB-052) - Familias software (NG-LAB-069 & NG-LAB-071)



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Issue No: 022 Issue date: 01 December 2025

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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
Plasma from maternal venous blood	<p><u>Massive Parallel Sequencing based Autosomal Short Tandem Repeat (STR) for relationship testing for:</u></p> <ul style="list-style-type: none"> - Paternity <p><u>Related Opinions and Interpretation Comparison, interpretation and statistical analysis of DNA profiles against compatible DNA Profile Information from within submitted cases</u></p>	<p>Documented in-house methods for Massively Parallel Sequencing (MPS):</p> <p>Documented in-house methods for ccfDNA extraction and quantification using:</p> <ul style="list-style-type: none"> - Qiagen ccfDNA MinElute kit - Qubit Fluorometer <p>Sample amplification, enrichment, library preparation, purification and normalisation using:</p> <ul style="list-style-type: none"> - MiSeq FGx & MiSeq FGx Control Software (MCS) <p>Documented in-house methods for Massively Parallel Sequencing (MPS) of pooled libraries using:</p> <ul style="list-style-type: none"> - MiSeq FGx & MiSeq FGx Control Software (MCS) <p>Documented in-house methods for genetic characterisation using:</p> <ul style="list-style-type: none"> - Forenseq™ Universal Analysis Software v2.0 - Familias software - YHRD
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