

# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>2773</b>  Accredited to <b>ISO/IEC 17025:2017</b>	<b>Alpha BioLaboratories Analytical Ltd</b>	
	Issue No: 057 Issue date: 02 February 2026	
	<b>14 Webster Court Carina Park Warrington WA5 8WD</b>	<b>Contact: Rachel Flanagan Tel: +44 (0) 333 600 1300 +44 (0) 1925 255450 E-Mail: rflanagan@alphabiolabs.com Website: www.alphabiolabs.co.uk</b>

**Testing performed by the Organisation at the locations specified below**

### Locations covered by the organisation and their relevant activities

#### Site activities performed away from the locations listed above:

Location details	Activity	Location code
14 Webster Court Carina Park Warrington WA5 8WD  Contact: Rachel Flanagan Tel: +44 (0) 333 600 1300 +44 (0) 1925 255450 E-Mail: rflanagan@alphabiolabs.co.uk	Work Place Drugs Analysis/Medical and Legal Analysis	A
1 Webster Court Carina Park Warrington WA5 8WD  Contact: Rachel Flanagan Tel: +44 (0) 333 600 1300 +44 (0) 1925 255450 E-Mail: rflanagan@alphabiolabs.co.uk	Relationship Analysis	B



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
BODY FLUIDS/TISSUES  Swabs (Buccal cells) Nail Toothbrushes	<u>Relationship Analysis</u>  Short Tandem Repeat (STR) DNA profiling for relationship testing for: <ul style="list-style-type: none"> <li>- Paternity</li> <li>- Maternity</li> <li>- Sibling</li> <li>- Extended relationships (Aunt/Uncle, Niece/Nephew, Grandparent, Grandchild, Cousin)</li> <li>- Y-chromosome Analysis</li> </ul>	Documented in-house methods [SOP ref: PRC565, PRC 812] using manual/automated extraction: <ul style="list-style-type: none"> <li>- Promega SwabSolution</li> <li>- Prep-N-Go</li> <li>- QIAmp DNA Investigator (nail only)</li> </ul>	B
		Documented in-house methods [SOP ref: PRC521, PRC 545] using manual/automated amplification and the following chemistry: <ul style="list-style-type: none"> <li>- Fusion STR Multiplex</li> <li>- Verifiler Express</li> <li>- HDPLEX</li> <li>- SureID® 27 Comp</li> <li>- Yfiler Plus</li> </ul>	B
		Documented in-house methods [SOP ref: PRC540, PRC569, PRC570] using electrophoresis: <ul style="list-style-type: none"> <li>- Applied Biosystems 3500xl Genetic Analyser©</li> </ul>	B
	<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 for Genetic Characterisation using: <ul style="list-style-type: none"> <li>- Familias software</li> </ul>	B



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BODY FLUIDS/TISSUES (cont'd)  Plasma from maternal venous blood	<u>Relationship Analysis (cont'd)</u>  Massive Parallel Sequencing based Autosomal Short Tandem Repeat (STR) for relationship testing for: - Paternity	Documented in-house methods [SOP ref: PRC 081] for Massively Parallel Sequencing (MPS): Sample amplification, enrichment, library preparation, purification and normalisation using - ForenSeq™ DNA Signature Prep Kit - ForenSeq™ MainstAY Kit - ForenSeq™ Signature Plus Kit	B
	<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 [SOP ref: PRC 047 and 875] for ccfDNA extraction and quantification using: - Promega Maxwell cfDNA kit on Maxwell instrument - Qiagen ccfDNA MinElute kit - Quantus Fluorometer	B
		Documented in-house methods [SOP ref: PRC 092] for Massively Parallel Sequencing (MPS) of pooled libraries using - MiSeq FGx & MiSeq FGx Control Software (MCS)	B
		Documented in-house methods [SOP ref: PRC 092] for genetic characterisation using: - Forenseq™ Universal Analysis Software (Windows 10) v1.3 and v2.7	B



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BODY FLUIDS/TISSUES (cont'd)	<u>Work Place Drugs Analysis/Medical and Legal Analysis</u>		
Hair	<p>Presumptive screening for the presence of the following drugs (cut-off limit)</p> <p>Morphine (0.2 ng/mg) Dihydrocodeine (0.2 ng/mg) Codeine (0.2 ng/mg) 6-Acetylmorphine (0.2 ng/mg) Amphetamine (0.2 ng/mg) Methamphetamine (0.2 ng/mg) MDMA (0.2 ng/mg) Benzoyllecgonine (0.05 ng/mg) Cocaine (0.5 ng/mg) Cocaethylene (0.05 ng/mg) Norcocaine (0.05 ng/mg) Ketamine (0.2 ng/mg) Methadone (0.2 ng/mg) EDDP (0.05 ng/mg) Diazepam (0.05 ng/mg) Nordiazepam (0.05 ng/mg) Temazepam (0.05 ng/mg) Alprazolam (0.05 ng/mg) Nitrazepam (0.05 ng/mg) THC (0.05 ng/mg) AEME (0.1 ng/mg) Chlordiazepoxide (0.05 ng/mg) Zolpidem (0.05 ng/mg) Tramadol (0.2 ng/mg) Nortramadol (0.2 ng/mg) Oxycodone (0.1 ng/mg)</p>	<p>Documented in-house method [SOP ref: PRC 900, PRC 901 and PRC 902] using methanol extraction and LC-MS/MS</p>	A



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BODY FLUIDS/TISSUES (cont'd)	<u>Work Place Drugs Analysis/Medical and Legal Analysis (cont'd)</u>		
Hair	Quantitative analysis of the following drugs (range):  Morphine (0.025 - 5.0 ng/mg) Dihydrocodeine (0.025 - 5.0 ng/mg) Codeine (0.025 - 5.0 ng/mg) 6-Acetylmorphine (0.025 - 5.0 ng/mg) Amphetamine (0.1 - 5.0 ng/mg) Methamphetamine (0.025 - 5.0 ng/mg) MDMA (0.025 - 5.0 ng/mg) Benzoylcegonine (0.005 - 1.0 ng/mg) Cocaine (0.05 - 10.0 ng/mg) Cocaethylene (0.005 - 1.0 ng/mg) Norcocaine (0.005 - 1.0 ng/mg) Ketamine (0.025 - 5.0 ng/mg) Methadone (0.025 - 5.0 ng/mg) EDDP (0.005 - 1.0 ng/mg) Diazepam (0.025 - 5.0 ng/mg) Nordiazepam (0.01 - 2.0 ng/mg) Temazepam (0.025 - 5.0 ng/mg) Alprazolam (0.025 - 5.0 ng/mg) Nitrazepam (0.025 - 5.0 ng/mg) THC (0.025 - 5.0 ng/mg) AEME (0.025 - 5.0 ng/mg) Chlordiazepoxide (0.025 - 5.0 ng/mg) Zolpidem (0.025 - 5.0 ng/mg) Tramadol (0.085 - 6.0 ng/mg) Nortramadol (0.085 - 6.0 ng/mg) Oxycodone (0.025 - 5.0 ng/mg)	Documented in-house method [SOP ref: PRC 900, PRC 901 and PRC 902] using methanol extraction and LC-MS/MS	A
Hair	Presumptive screening for the presence of Ethyl Glucuronide (cut-off limit 30 pg/mg)	Documented in-house method [SOP ref: PRC 006, 008, 801, 804 and 806] using LC-MS/MS	A
Hair	Quantitative analysis of Ethyl Glucuronide (range 2 – 700 pg/mg)	Documented in-house method [SOP ref: PRC 006, 008, 801, 804 and 806] using LC-MS/MS	A



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<p>BODY FLUIDS/TISSUES (cont'd)</p> <p>Oral Fluids (Quantisal Collection Device)</p>	<p><u>Work Place Drugs Analysis/Medical and Legal Analysis (cont'd)</u></p> <p>Confirmation and Quantitative analysis of the following drugs (cut-off limit); [Concentration Range]</p> <p>Opiates Group:</p> <ul style="list-style-type: none"> <li>- Morphine (15ng/ml); [1-50ng/ml]</li> <li>- Dihydrocodeine (15ng/ml); [1-50ng/ml]</li> <li>- Codeine (15ng/ml); [1-50ng/ml]</li> <li>- 6-Monoacetylmorphine (2ng/ml); [0.16-8 ng/ml]</li> <li>- Methadone (20ng/ml); [1.4-70ng/ml]</li> <li>- EDDP (20ng/ml); [1.4-70ng/ml]</li> <li>- Buprenorphine (1ng/ml); [0.08-4ng/ml]</li> <li>- Norbuprenorphine (1ng/ml); [0.08-4ng/ml]</li> </ul> <p>Cocaine and Metabolites:</p> <ul style="list-style-type: none"> <li>- Benzoylecgonine (8ng/ml); [0.5-25ng/ml]</li> <li>- Cocaine (8ng/ml); [0.5-25ng/ml]</li> <li>- Cocaethylene (8ng/ml); [0.5-25ng/ml]</li> <li>- Norcocaine (8ng/ml); [0.5-25ng/ml]</li> </ul> <p>Amphetamines Group:</p> <ul style="list-style-type: none"> <li>- Amphetamine (15ng/ml); [1-50ng/ml]</li> <li>- Methamphetamine (15ng/ml); [1-50ng/ml]</li> <li>- MDA (15ng/ml) ; [1-50ng/ml]</li> <li>- MDMA (15ng/ml); [1-50ng/ml]</li> </ul>	<p>Documented in-house methods [SOP ref: PRC 909, PRC 910, PRC 911], using LC-MS/MS</p>	<p align="center">A</p>



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<p>BODY FLUIDS/TISSUES (cont'd)</p> <p>Oral Fluids (Quantisal Collection Device)</p>	<p><u>Work Place Drugs Analysis/Medical and Legal Analysis (cont'd)</u></p> <p>Confirmation and Quantitative analysis of the following drugs (cut-off limit); [Concentration Range]</p> <p>Benzodiazepines Group:            - Diazepam (3ng/ml); [0.2-10ng/ml]            - Nordiazepam (3ng/ml); [0.2-10ng/ml]            - Temazepam (3ng/ml); [0.2-10ng/ml]            - Oxazepam (3ng/ml); [0.2-10ng/ml]            - Alprazolam (3ng/ml); [0.2-10ng/ml]            - Nitrazepam (3ng/ml); [0.2-10ng/ml]</p> <p>Canabinoids Group:            - Delta-9-tetrahydrocannabinol (THC) (2ng/ml); [0.14-7ng/ml]            - Cannabidiol (CBD) (2ng/ml); [0.14-7ng/ml]</p> <p>Other drugs:            - Ketamine (20ng/ml); [1.4-70ng/ml]            - Norketamine (20ng/ml); [1.4-70ng/ml]            - Tramadol (20ng/ml); [1.4-70ng/ml]            - N-desmethyltramadol (20ng/ml); [1.4-70ng/ml]            - Mephedrone (15ng/ml); [1-50ng/ml]            - Propoxyphene (40ng/ml); [3-150ng/ml]</p>	<p>Documented in-house methods [SOP ref: PRC 909, PRC 910, PRC 911], using LC-MS/MS</p>	<p align="center">A</p>
<p align="center">END</p>			