

# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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



Accredited to  
ISO/IEC 17025:2017

### Alpha BioLabs Analytical Ltd

Issue No: 056 Issue date: 08 December 2025

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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
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



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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> <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: 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> 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> 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> Documented in-house methods for Genetic Characterisation using: <ul style="list-style-type: none"><li>- Familias software</li></ul>	B  B  B



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BODY FLUIDS/TISSUES (cont'd)	<u>Relationship Analysis</u> (cont'd)			
Plasma from maternal venous blood	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  Documented in-house methods [SOP ref: PRC 047 and 875] for cfDNA extraction and quantification using: - Promega Maxwell cfDNA kit on Maxwell instrument - Qiagen cfDNA MinElute kit - Quantus Fluorometer  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 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 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)  Hair	<u>Work Place Drugs</u> <u>Analysis/Medical and Legal</u> <u>Analysis</u>  Presumptive screening for the presence of the following drugs (cut-off limit)  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)	Documented in-house method [SOP ref: PRC 900, PRC 901 and PRC 902] using methanol extraction and LC-MS/MS	A



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BODY FLUIDS/TISSUES (cont'd)	<u>Work Place Drugs</u> <u>Analysis/Medical and Legal Analysis</u> (cont'd)		
Hair	<p>Quantitative analysis of the following drugs (range):</p> <p>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) Benzoylecggonine (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)</p>	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 Glucoronide (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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BODY FLUIDS/TISSUES (cont'd)  Oral Fluids (Quantisal Collection Device)	<u>Work Place Drugs</u> <u>Analysis/Medical and Legal</u> <u>Analysis</u> (cont'd)  Confirmation and Quantitative analysis of the following drugs (cut-off limit); [Concentration Range]  Opiates Group: - Morphine (15ng/ml); [1-50ng/ml] - Dihydrocodeine (15ng/ml); [1-50ng/ml] - Codeine-6-glucuronide (15ng/ml); [1-50ng/ml] - 6-Monoacetylmorphine (2ng/ml); [0.16-8 ng/ml] - Methadone (20ng/ml); [1.4-70ng/ml] - EDDP (20ng/ml); [1.4-70ng/ml] - Buprenorphine (1ng/ml); [0.08-4ng/ml] - Norbuprenorphine (1ng/ml); [0.08-4ng/ml]  Cocaine and Metabolites: - Benzoylecgonine (8ng/ml); [0.5-25ng/ml] - Cocaine (8ng/ml); [0.5-25ng/ml] - Cocaethylene (8ng/ml); [0.5-25ng/ml] - Norcocaine (8ng/ml); [0.5-25ng/ml]  Amphetamines Group: - Amphetamine (15ng/ml); [1-50ng/ml] - Methamphetamine (15ng/ml); [1-50ng/ml] - MDA (15ng/ml); [1-50ng/ml] - MDMA (15ng/ml); [1-50ng/ml]	Documented in-house methods [SOP ref: PRC 909, PRC 910, PRC 911], using LC-MS/MS	A



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BODY FLUIDS/TISSUES (cont'd)  Oral Fluids (Quantisal Collection Device)	<u>Work Place Drugs</u> <u>Analysis/Medical and Legal</u> <u>Analysis</u> (cont'd)  Confirmation and Quantitative analysis of the following drugs (cut-off limit); [Concentration Range]  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]  Canabinoids Group: - Delta-9-tetrahydrocannabinol (THC) (2ng/ml); [0.14-7ng/ml] - Cannabidiol (CBD) (2ng/ml); [0.14-7ng/ml]  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]	Documented in-house methods [SOP ref: PRC 909, PRC 910, PRC 911], using LC-MS/MS	A

END