


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 4309 Accredited to ISO/IEC 17025:2017	Metropolitan Police Service, through the Commissioner of the Police of the Metropolis Issue No: 043 Issue date: 29 October 2021	
	109 Lambeth Road London SE1 7LP	Contact: Dr Chanda Lowther-Harris Tel: +44(0)207 230 3820 E-Mail: chanda.lowther-harris@met.police.uk Website: www.met.police.uk

Testing performed by the Organisation at the locations specified below

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
London Contact: Ms S Sreekumar Tel: +44(0)207 230 1566 E-Mail: sanya.sreekumar@met.police.uk Website: www.met.police.uk	Forensic Analysis	C
109 Lambeth Road London SE1 7LP Contact: Ms S Sreekumar Tel: +44(0)207 230 1566 E-Mail: sanya.sreekumar@met.police.uk Website: www.met.police.uk	Forensic Analysis	D



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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 and TISSUES Blood - Whole - Stains Saliva - Whole - Stains - Swabs (buccal cells) Cellular Material	<u>Forensic Testing</u>	The organisation has demonstrated adherence to the relevant requirements of the Forensic Science Regulators Code of Practice and Conduct in relation to their Forensic Activities	C & D
	<u>Forensic Analysis</u> DNA Profiling: - Crime Scene Samples meeting the requirements of the Custodian for the Purpose of Supply to the National DNA Database	Documented In-House Methods using manual extraction Documented In-House Methods using Manual quantification - Quantifiler Duo - PowerQuant DNA Quantification	C
		Documented In-House Methods using Manual/ amplification (PCR) and the following chemistry: - Fusion 6C Documented In-House Methods using Electrophoresis - Applied Biosystems 3500 Genetic Analyser©	



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BODY FLUIDS and TISSUES (cont'd) Saliva Swabs (buccal cells)	<u>Forensic Analysis</u> (cont'd) - Reference Samples meeting the requirements of the Custodian for the Purpose of Supply to the National DNA Database	Documented In-House Methods using manual extraction - Promega SwabSolution™ Documented In-House Methods using Manual/ amplification (PCR) and the following chemistry: Fusion 6C Documented In-House Methods using Electrophoresis - Applied Biosystems 3500 Genetic Analyser©	C
	<u>Related Opinions and Interpretation</u> Interpretation of DNA profiles generated internally from crime stains (single source/ major-minor/complex mixtures) and reference samples	Documented In-House Methods - Genetic Characterisation - GMIDX	C
Dark items	Searching for: - Blood	Documented In-House Method BIO.TP.013 using: - Infra-red (VampIRe/Video camera) - Light Sources - Halogen IR light (λ= 700-1000nm) - Main diode λ light (λ= 840-1000nm)	D



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BODY FLUIDS and TISSUES (cont'd) Any Material Blood	<u>Forensic Analysis</u> (cont'd) Searching for: <ul style="list-style-type: none"> - Blood - Faeces - Saliva - Semen 	Documented In-House Methods using: <ul style="list-style-type: none"> - visual examination - low power microscopy - high power microscopy - chemical testing (see below) 	D
	Recovery and preparation for subsequent DNA analysis or for contingency purposes of the following from searched materials and swabs: <ul style="list-style-type: none"> - Blood - Cellular Material - Faeces - Saliva - Semen 	Documented In-House Methods using: <ul style="list-style-type: none"> - cutting - swabs and swabbing - extraction of stained materials - mini-taping 	D
	Presumptive testing for Blood via detection of: <ul style="list-style-type: none"> - Peroxidase - Human Haemoglobin 	Documented In-House Methods using: <ul style="list-style-type: none"> - KM (Kastle Meyer) - Hematrace 	D
	<u>Related Opinions and Interpretations</u> Identification, interpretation and recording of body fluids patterns (blood) on clothing and other items examined at the laboratory	Documented In-House Methods using: <ul style="list-style-type: none"> - visual examination - low power microscopy 	D



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Semen	Presumptive testing for seminal fluid, via detection of: <ul style="list-style-type: none"> - Acid Phosphatase - Choline 	Documented In-House Methods using: <ul style="list-style-type: none"> - Visual Examination - Acid phosphatase detection (colour reaction) - Florence Iodine test 	D
	Confirmatory testing for seminal fluid via identification of: <ul style="list-style-type: none"> - Spermatozoa 	Documented In-House Methods using: <ul style="list-style-type: none"> - High power microscopy - Christmas Tree staining 	D
Saliva	Presumptive testing for saliva via detection of: <ul style="list-style-type: none"> - Amylase 	Documented In-House Methods using: <ul style="list-style-type: none"> - Phadebas paper 	D
Faeces	Presumptive testing for Faeces via detection of: <ul style="list-style-type: none"> - Urobilinogen 	Documented In-House Methods using: <ul style="list-style-type: none"> - Edelman's test 	D
HAIRS AND FIBRES	<u>Forensic Analysis</u>		
	Recovery of hairs and fibres for contingency purposes from clothing and objects	Documented in house method using <ul style="list-style-type: none"> - visual examination - low power microscopy - taping - Static wand 	D



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DIGITAL DEVICES AND DATA	<u>Forensic Analysis</u>		
Digital media: - Optical discs - USB flash drives	Logical capture and preservation of data	Documented in-house method (DCC.TP.702) using: - T8u - USB Write Protect	D
Digital audio / audiovisual files	Digital file format conversion (transcoding) to: - PCM WAV	Documented in-house method (DCC.TP.702) using: - WinFF - Sound Forge Pro - FFMPEG - ProTools	D
Digital audio / audiovisual files: - PCM WAV	Standardisation via: - Conversion to a standard sampling rate	Documented in-house method (DCC.TP.703) using: - Sound Forge Pro - ProTools	D
Digital audio / audiovisual files: - PCM WAV	Standardisation via: - Conversion from two-channel to monophonic	Documented in-house method (DCC.TP.703) using: - Sound Forge Pro - ProTools - Waves S1 stereo imager plugin	D
Digital audio / audiovisual files: - PCM WAV	Standardisation via: - Applying level changes to audio	Documented in-house method (DCC.TP.703) using: - Sound Forge Pro - ProTools - Premiere Pro	D
DAMAGE	<u>Forensic Analysis</u>		
Damage (Clothing and Fabric material or define materials which have been validated)	<u>Related Opinions and Interpretations</u> Examination, assessment and evaluation of a damage item, comparison of damage with suspected instrument (excluding firearms) to determine the likelihood the suspected instrument caused the damage.	Documented In-House Methods using: - visual examination - Lighting techniques - Microscopy	D



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FIREARMS	<u>Forensic Analysis</u>		
Ammunition	Ammunition and component identification and legal classification	Documented In house method FFU.TP.005 using : <ul style="list-style-type: none"> - Weighing - length measurement - known samples or standard reference data 	D
	Examination of discharged ammunition components to determine the number of guns used	Documented In house method FFU.TP.007 using <ul style="list-style-type: none"> - comparison microscopy 	D
	Examination of cartridges to determine if ammunition has been loaded into a firearm	Documented In house method FFU.TP.005 using <ul style="list-style-type: none"> - Microscopy - Comparison microscopy 	D
Ammunition (cont'd)	Comparison of spent ammunition to suspect guns	Documented In house method FFU.TP.007 using <ul style="list-style-type: none"> - comparison microscopy National Ballistics Intelligence Service (NaBIS) methods FFU.TP.008 using <ul style="list-style-type: none"> - IBIS bullet Trax - IBIS Brass Trax - IBIS Matchpoint Plus 	D



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Firearms	Firearm and firearm component part identification and legal classification (Firearms Act 1968)	Documented In house method FFU.TP.001 using comparison with known samples, reference standards and publications	D
	Test Firing to assess the functionality of weapons and/or ammunition.	Documented In house method using suspect or reference guns and ammunition	D
	Test Firing to generate test samples of ammunition for comparison to exhibits	Documented In house method using suspect or reference guns and ammunition	D
	Determination of Kinetic Energy of projectiles	Documented In house method FFU.TP.002 using MSI chronograph and balance	D
	Firearm identification from class marks present on ammunition components	Documented In house method FFU.TP.007 Fired ammunition examination	D



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<p>MARKS and IMPRESSIONS</p> <p>Fingermark and palm mark friction ridge detail</p> <p>Fingermark and palm mark friction ridge detail</p>	<p>Visual analysis, comparison and evaluation of recovered friction ridge detail with finger, thumb and palm from:</p> <ul style="list-style-type: none"> - Known ink TENPRINTS - Known electronic TENPRINTS <p>Visual analysis, comparison and evaluation of recovered friction ridge detail with finger, thumb and palm from:</p> <ul style="list-style-type: none"> - Known ink TENPRINTS - Known electronic TENPRINTS <p><u>Opinion and Interpretation</u> The evaluation of features between Fingermark and palm mark friction ridge detail</p>	<p>Documented In-House methods using visual examination, low power magnification and automated fingerprint recognition system IDENT1.</p> <p>Documented In-House methods using visual examination, low power magnification, comparators, dimensional measurements and reference databases.</p> <p>Documented In-House methods using</p> <ul style="list-style-type: none"> - Personal experience - Database 	<p align="center">D</p>



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<p>MARKS and IMPRESSIONS (cont'd)</p> <p>Fingermarks</p> <p>Any material which is capable of retaining friction ridge marks</p>	<p>Enhancement of fingermarks and, palm marks</p>	<p>Documented In-House Methods using chemical enhancement and lighting techniques (method numbers provided in brackets):</p> <ul style="list-style-type: none"> - Recover LFT (FPT.TP.001) - Acid Treatments: Acid Black 1, Acid Violet 17, Acid Yellow 7 (FPT.TP.001) - Cyanoacrylate (CNA) Fuming (FPT.TP.002) - Basic Yellow 40 (BY40) (FPT.TP.003) - Ninhydrin (FPT.TP.004) - Lumicyanopowder (LCNA) fuming (in-house method FPT.TP.019) - Physical Developer (FPT.TP.005) - Wet Powder Suspensions: Iron, Carbon, Titanium (FPT.TP.007) - Indandione (FPT.TP.025) - Powdering Techniques: Aluminium, black magnetic and Silver Magneta flake (FEL.TP.002 / SCI.001) - Vacuum metal deposition (FEL.TP.022) - Examination for Friction Ridge Detail (Vetting) (FPT.TP.017) 	<p>D</p>



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<p>MARKS and IMPRESSIONS (cont'd)</p> <p>Fingermarks</p> <p>Any material which is capable of retaining friction ridge marks</p>	<p>Enhancement of fingermarks and, palm marks</p>	<p>Documented In-House Methods using:</p> <ul style="list-style-type: none"> - Lighting techniques - White Light - Filtered Sources - High Energy Light Sources <ul style="list-style-type: none"> o Blue crime lite 82S / crimelite ML2 ($\lambda=420-470\text{ nm}$) o Green crime lite 82S ($\lambda=490-560\text{ nm}$) o Labino UV lamp ($\lambda=365\text{ nm}$) o Blue laser ($\lambda=445\text{ nm}$) o Green laser ($\lambda=532\text{ nm}$) <p>Documented In-House Methods for:</p> <ul style="list-style-type: none"> - Imaging - Digital capture - UVC (IMG.TP.014) 	
<p>Developed fingerprint marks</p>	<p>Determination of the presence of friction ridge characteristics for the purpose of subsequent comparison</p>	<p>Documented In-House methods using visual examination</p>	D
<p>Physical Fits (visual 'jigsaw fit' of materials, excluding fabric)</p>	<p>Examination of material to determine the presence of a physical fit(s)</p>	<p>Documented In-House method using</p> <ul style="list-style-type: none"> - Visual examination - Physical manipulation - Lighting techniques - Microscopy - Photography 	D

END