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:** 055 **Issue date:** 22 May 2025	
	109 Lambeth Road **London** **SE1 7LP**	**Contact: Miss S Sreekumar** **Tel: +44(0)207 230 1566** **E-Mail: sanya.sreekumar@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:** Miss 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:** Miss S Sreekumar Tel: +44(0)207 230 1566 E-Mail: sanya.sreekumar@met.police.uk Website: www.met.police.uk	Forensic Analysis	D
Cobalt Square 1 South Lambeth Road Vauxhall SW8 1SU	**Contact:** Miss S Sreekumar Tel: +44(0)207 230 1566 E-Mail: sanya.sreekumar@met.police.uk Website: www.met.police.uk	Forensic Analysis	K

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	Forensic Testing	The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice in relation to the Forensic Activities listed below.	C, D, K
BODY FLUIDS and TISSUES	Forensic Analysis		
Blood - Whole - Stains Saliva - Whole - Stains - Swabs (buccal cells)	Short Tandem Repeat (STR) DNA profiling for forensic analysis of: - Crime Scene Samples meeting the requirements of the Custodian for the Purpose of Supply to the National DNA Database - Environmental Samples	Documented In-House Methods using manual/automated extraction - Qiagen DNA Investigator - Qiagen Lyse & Prep - Thermo Scientific™ KingFisher™ Flex Purification System Documented In-House Methods using Manual quantification - PowerQuant DNA Quantification	C
Cellular Material		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©	
Saliva Swabs (buccal cells	- 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

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
BODY FLUIDS and TISSUES (cont'd)	Forensic Analysis (cont'd)		
	Related Opinions and Interpretation 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
Any Material	Searching for: - Blood - Faeces - Saliva - Semen	Documented In-House Methods using: - 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: - Blood - Cellular Material - Faeces - Saliva - Semen	Documented In-House Method BIO.TP.002 using: - cutting - swabs and swabbing - extraction of stained materials - mini-taping	D
Blood	Presumptive testing for Blood via detection of: - Peroxidase	Documented In-House Method BIO.TP.001 using: - KM (Kastle Meyer)	D
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

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
BODY FLUIDS and TISSUES (cont'd)	Forensic Analysis (cont'd) Related Opinions and Interpretations		
Blood	Identification, interpretation and recording of body fluids patterns (blood) on clothing and other items examined at the laboratory	Documented In-House Method BIO.TP.010 using: - visual examination - low power microscopy	D
Semen	Presumptive testing for seminal fluid, via detection of: - Acid Phosphatase	Documented In-House Methods BIO.TP.011 using: - Visual Examination - Acid phosphatase detection (colour reaction)	D
	Confirmatory testing for seminal fluid via identification of: - Spermatozoa	Documented In-House Method ERU.TP.009 using: - High power microscopy - Christmas Tree staining	D
Saliva	Presumptive testing for saliva via detection of: - Amylase	Documented In-House Method ERU.TP.016 using: - Phadebas paper	D
Faeces	Presumptive testing for Faeces via detection of: - Urobilinogen	Documented In-House Method ERU.TP.009 using: - Edelman's test	D
HAIRS AND FIBRES	Forensic Analysis		
	Recovery of hairs and fibres for contingency purposes from clothing and objects	Documented in house method BIO.TP.003 using - visual examination - low power microscopy - taping - Static wand	D

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
DIGITAL DEVICES AND DATA	Forensic Analysis		
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 and FFMPEG - Sound Forge Pro	D
Digital audio / audiovisual files: - PCM WAV	Standardisation via: - Conversion to a standard sampling rate	Documented in-house method DCC.TP.702 using: - WinFF and FFMPEG - Sound Forge Pro	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 - Audition - Waves S1 stereo imager plugin and Premier Pro	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 - Audition	D
Computers and digital storage devices - Hard disk drives - Solid state drives - Memory cards - USB flash drives	Automated capture and preservation of data from storage devices	Documented in-house method DCC.TP.501 using: - Automate with FTK CLI	D
Computers and digital storage devices - Hard disk drives - Solid state drives - m.2 SSD - Memory cards - USB flash drives	Capture and preservation of data from storage devices	Documented in-house method DCC.TP.501 using: - Tableau TX1 - FTK Imager - Forensic UltraDock - USB 3.1 Writeblocker	D

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
DIGITAL DEVICES AND DATA (cont'd)	Forensic Analysis (cont'd)		
Computers and digital storage devices - Hard disk drives - Solid state drives - M.2 SSD - Memory cards - USB flash drives	Capture and preservation of data from storage devices	Documented in-house method CCU.TP006 using: - Tableau TX1 - FTK Imager	K
Mobile phone handsets and tablets associated with the following operating systems: - Apple iOS - Android - Non-smartphone proprietary systems	Capture and preservation of data	Documented in-house method (DCC.TP.604 & DCC.TP.608) using: - XRY - UFED 4PC - Cellebrite Premium (Apple IOS and Android only) - Oxygen Forensic Detective - GrayKey (Apple IOS and Android only)	D
	Processing of data	Documented in-house method (DCC.TP.606) using: - XRY/XAMN - Physical Analyser - Oxygen Forensic Detective - AXIOM - Griffeye	D
	Analysis of data - Keyword Analysis - Date/Timelining - Manual Bookmarking - File Data Filtering - Database Analysis - Application Analysis	Documented in-house method (DCC.TP.607) using: - XRY/XAMN - Physical Analyser - Oxygen Forensic Detective - AXIOM	D

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
DIGITAL DEVICES AND DATA (cont'd)	Forensic Analysis (cont'd)		
(U)SIM cards	Capture preservation of data	Documented in-house method (DCC.TP.604) using: - XRY - UFED 4PC	D
	Processing of data	Documented in-house method (DCC.TP.606) using: - XRY - Physical Analyser - UFED 4PC	D
	Analysis of data - Keyword Analysis - Date/Timelining - Manual Bookmarking - File Data Filtering - Database Analysis - Application Analysis	Documented in-house method (DCC.TP.607) using: - XAMN - Physical Analyser	D
Memory cards associated with mobile phone handsets and tablets	Capture and preservation of data	Documented in-house method (DCC.TP.604 & DCC.TP.501) using: - XRY - UFED 4PC - Cellebrite Premium - Oxygen Forensic Detective - GrayKey - FTK Imager - MSAB write blocker	D
	Processing of data	Documented in-house method (DCC.TP.606) using: - XRY/XAMN - Physical Analyser - Oxygen Forensic Detective - AXIOM - Griffeye	D

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
DIGITAL DEVICES AND DATA (cont'd) Memory cards associated with mobile phone handsets and tablets	Forensic Analysis (cont'd) Analysis of data - Keyword Analysis - Date/Timelining - Manual Bookmarking - File Data Filtering - Database Analysis - Application Analysis	Documented in-house method (DCC.TP.607) using: - XAMN - Physical Analyser - Oxygen Forensic Detective - AXIOM	D
DAMAGE Damage (Clothing and Fabric material or define materials which have been validated)	Forensic Analysis Related Opinions and Interpretations 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 Method BIO.TP.006 using: - Visual examination - Lighting techniques - Microscopy	D
FIREARMS Ammunition	Forensic Analysis Ammunition and component identification and legal classification Examination of discharged ammunition components to determine the number of guns used	Documented In house method FFU.TP.005 using : - Weighing - length measurement - known samples or standard reference data Documented In house method FFU.TP.007 using - Comparison microscopy	D D

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
FIREARMS (cont'd)	Forensic Analysis (cont'd)		
Ammunition	Comparison of spent ammunition to suspect guns	Documented In house method FFU.TP.007 using - Comparison microscopy	D
Ammunition	Comparison of spent ammunition to suspect guns	National Ballistics Intelligence Service (NaBIS) methods FFU.TP.009 and FFU.SP.005 using - IBIS bullet Trax - IBIS Brass Trax - IBIS Matchpoint Plus	D
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

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
MARKS and IMPRESSIONS FRICTION RIDGE DETAIL	<u>Forensic Analysis</u>		
Friction ridge detail including Finger, Palm and Plantar (Cadaver and Non-Cadaver)	Analysis, comparison, and evaluation of Friction Ridge Detail as outlined below for the purpose of: - Criminal Investigation - Elimination Databases - Immigration		D
<u>Marks</u> - CSI/FEL Recovered Lifts from physical scenes - CSI/FEL Photographs of marks from physical scene - Fingerprint Enhancement Laboratory Recovered Lifts from physical items - Fingerprint Enhancement Laboratory Photographs of marks from physical items - Fingerprint Enhancement Laboratory digital images of marks from physical exhibits - Digital anatomical areas of FRD	<u>Comparison with Prints</u> - Ink - Powder - Livescan - Digital	Documented in house procedures utilising automated search techniques for initial screening to identify candidate items to go forward for manual comparison: - Ident 1 (not plantar) - High Quality Printer - Computer screen - Reference collections Documented in house procedures using visual manual techniques: - Fingerprint glass - Reference collections - Comparators (optical & digital) - Mark enhancement software o AGX EasyLift o AGX Lift-SP o FCS - High Quality Printer	D

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
MARKS and IMPRESSIONS (cont'd) FRICTION RIDGE DETAIL (cont'd) <u>Comparison with Prints</u> - Ink - Powder - Livescan - Digital	<u>Forensic Analysis</u> (cont'd) <u>Comparison with Marks</u> - CSI/FEL Recovered Lifts from physical scenes - CSI/FEL Photographs of marks from physical scene - Fingerprint Enhancement Laboratory Recovered Lifts from physical items - Fingerprint Enhancement Laboratory Photographs of marks from physical items - Fingerprint Enhancement Laboratory digital images of marks from physical exhibits - Digital anatomical areas of FRD	Documented in house procedures utilising automated search techniques for initial screening to identify candidate items to go forward for manual comparison: - Ident 1 (not plantar) - High Quality Printer - Computer screen - Reference collections Documented in house procedures using visual manual techniques: - Fingerprint glass - Reference collections - Comparators (optical & digital) - Mark enhancement software o AGX EasyLift o AGX Lift-SP o FCS - High Quality Printer	D

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
MARKS and IMPRESSIONS (cont'd) FRICTION RIDGE DETAIL (cont'd) <u>Marks</u> - CSI/FEL Recovered Lifts from physical scenes - CSI/FEL Photographs of marks from physical scene - CSI/FEL Digital images of marks from physical Scene - Fingerprint Enhancement Laboratory Recovered Lifts from physical items - Fingerprint Enhancement Laboratory Photographs of marks from physical items - Fingerprint Enhancement Laboratory Digital images of marks from physical items - Digital anatomical areas of FRD	<u>Forensic Analysis</u> (cont'd) <u>Comparison with Marks</u> - CSI/FEL Recovered Lifts from physical scenes - CSI/FEL Photographs of marks from physical scene - CSI/FEL Digital images of marks from physical scenes - Fingerprint Enhancement Laboratory Recovered Lifts from physical items - Fingerprint Enhancement Laboratory photographs of marks from physical exhibits - Fingerprint Enhancement Laboratory digital images of marks from physical exhibits - Digital anatomical areas of FRD	Documented in house procedures using visual manual techniques: - Fingerprint glass - Reference collections - Comparators (digital / optical) - Computer screen - High Quality Printer - Mark enhancement software o In-house developed Documented in house procedures utilising automated search techniques for initial screening to identify candidate items to go forward for manual comparison: - Ident 1 - High Quality Printer - Computer screen - Reference collections	D

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
MARKS and IMPRESSIONS (cont'd) FRICTION RIDGE DETAIL (cont'd)	<u>Forensic Analysis</u> (cont'd)		
<u>Ten Prints</u> - Ink - Powder - Livescan - Digital	<u>Comparison with Ten Prints</u> - Ink - Powder - Livescan - Digital	Documented in house procedures using visual manual techniques: - Fingerprint glass - Reference collections - Comparators (digital / optical) - Computer screen - Digital workflow - High Quality Printer Documented in house procedures utilising automated search techniques for initial screening to identify candidate items to go forward for manual comparison: Ident 1 - High Quality Printer - Computer screen - Reference collections	D
	<u>Opinion and Interpretation</u> The evaluation of the significance of any matching and non-matching features between sources of friction ridge detail as outlined in the above scope of accreditation.	Documented In-House methods using - Personal experience - database	D

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
MARKS and IMPRESSIONS (cont'd)	Forensic Analysis (cont'd)		
Fingermarks Any material which is capable of retaining friction ridge marks	Enhancement of fingermarks and, palm marks	Documented In-House Methods using chemical enhancement and lighting techniques (method numbers provided in brackets): - Acid Treatments: Acid Black 1, Acid Violet 17, Acid Yellow 7 (FEL.TP.005) - Cyanoacrylate (CNA) Fuming (FEL.TP.006) - Basic Yellow 40 (BY40) (FEL.TP.007) - Ninhydrin (FEL.TP.008) - Lumicyanopowder (LCNA) fuming (FEL.TP.013) - Physical Developer (FEL.TP.009) - Wet Powder Suspensions: Iron, Carbon, Titanium (FEL.TP.010) - Indandione (FEL.TP.015) - Powdering Techniques: Aluminium, black magnetic and Silver Magneta flake (FEL.TP.002) - Vacuum metal deposition (FEL.TP.014) - Examination for Friction Ridge Detail (Vetting) (FEL.TP.011)	D

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
MARKS and IMPRESSIONS (cont'd)	Forensic Analysis (cont'd)		
Fingermarks Any material which is capable of retaining friction ridge marks	Enhancement of fingermarks and, palm marks	Documented In-House Methods using: - Lighting techniques - White Light - Filtered Sources - High Energy Light Sources o Blue crime lite 82S / crimelite ML2 (λ= 420- 470 nm) o LIGHTCube Cyan lamp (λ = 505 nm) o Green crime lite 82S (λ= 490- 560 nm) o Labino UV lamp (λ= 365 nm) o LIGHTCube UV lamp (λ =365 nm) o Blue laser (λ= 445 nm) o Green laser (λ= 532 nm and λ= 520 nm) Documented In-House Methods for: - Imaging - Digital capture - UVC (IMG.TP.014)	D
Developed fingerprint marks	Determination of the presence of friction ridge characteristics for the purpose of subsequent comparison	Documented In-House methods using visual examination	D
Physical Fits (visual 'jigsaw fit' of materials, excluding fabric)	Examination of material to determine the presence of a physical fit(s)	Documented In-House method using - Visual examination - Physical manipulation - Lighting techniques - Microscopy - Photography	D
END			