Schedule of Accreditation

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United Kingdom Accreditation Service

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

4709

Accredited to ISO/IEC 17025:2017

Chief Constable of Thames Valley Police

Issue No: 032 **Issue date:** 21 May 2025

Forensic Investigation Unit
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Testing performed by the Organisation at the locations specified

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details		Activity	Location code
Address FIU Thames Valley Police (HQ) South Oxford Road Kidlington OX5 2NX	**Local contact** Mr Carl Weston Tel: +44 (0)1865 542042 E-Mail: carl.weston@thamesvalley.police.uk Website: www.thamesvalley.police.uk	Forensic Analysis	A
Address DFU Undisclosed Location	**Local contact** Mr Carl Weston Tel: +44 (0)1865 542042 E-Mail: carl.weston@thamesvalley.police.uk Website: www.thamesvalley.police.uk	Forensic Analysis	B

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	Forensic Analysis	The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice in relation to the Forensic Activities listed below.	A, B
BODY FLUIDS and TISSUES	Forensic Analysis		
Any Material	Searching for: - Blood - Saliva	Documented In-House Methods (FSU-P-TEC-5, FSU-P-TEC-12) using: - visual examination - light sources - low power microscopy - chemical testing (see below)	A
	Recovery and preparation, including for contingency purposes, for subsequent DNA analysis by an ISO/IEC 17025 accredited laboratory of the following from searched materials: - Blood - Saliva - Cellular Material	Documented In-House Methods (FSU-P-TEC-3, FSU-P-TEC-11) using: - cutting - swabs and swabbing - mini-taping	
Blood	Presumptive testing for Blood via detection of: - Peroxidase	Documented In-House Method (FSU-P-TEC-4) using: - KM (Kastle Meyer)	
Saliva	Presumptive testing for saliva via detection of: - Amylase	Documented In-House Method (FSU-P-TEC-5) using: - Phadebas paper	

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
FIBRES and HAIRS	Forensic Analysis Recovery of fibres and hairs for contingency purposes from clothing and objects	Documented in house method (FSU-P-TEC-6) using - visual examination - low power microscopy - taping - wand recovery - forcep recovery	A
MARKS AND IMPRESSIONS Any material which is capable of retaining friction ridge marks	Forensic Analysis Enhancement of fingermarks and palm marks	Documented In-House Methods using chemical enhancement and lighting techniques (method numbers provided in brackets) Acid Treatments (FDL-P-TEC-3): Acid Black 1 Acid Violet 17 Acid Yellow 7 Cyanoacrylate (CNA) Fuming (FDL-P-TEC-10) Basic Yellow 40 (BY40) - ethanol based - aqueous based (FDL-P-TEC-11) Physical Developer (FDL-P-TEC-9) Ninhydrin (FDL-P-TEC-8) Powdering Techniques: - black, aluminium, magenta flake and black magnetic (FDL-P-TEC-6) 1,2 Indandione (FDL-P-TEC-45)	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
MARKS AND IMPRESSIONS (cont'd) Any material which is capable of retaining friction ridge marks (cont'd)	Forensic Analysis (cont'd) Enhancement of fingermarks and palm marks (cont'd)	Powder suspension (FDL-P-TEC-12): - Iron Oxide - Carbon Titanium Dioxide Documented In-House Methods using non-destructive techniques White Light (FDL-P-TEC-1) High energy light sources (FDL-P-TEC-1) LEDs: - Violet (395-425nm), - Blue (420-470nm), - Blue/green (445-510nm), - Green (480-560nm), - Orange (570-610nm) Q2000/30: - 340-413nm - 400-469nm - 400-519nm - 468-526nm - 473-548nm - 491-548nm - 503-587nm Laser - 532nm Digital Capture - Digital SLR (FDL-P-TEC-18-30) - DCS5 (FDL-P-TEC-47)	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
FRICTION RIDGE DETAIL Finger and Palm (Non-Cadaver)	<u>Forensic Analysis</u> (cont'd) Analysis, comparison, and evaluation of Friction Ridge Detail as outlined below for the purpose of: - Criminal Investigation - Elimination Databases		A
<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	<u>Comparison with Ten Prints</u> - Ink - Powder - Livescan	Documented in house procedures using visual manual techniques: - Fingerprint glass - Reference collections - Comparators (optical) - High Quality Printer	A
<u>Ten Prints</u> - Ink - Powder - Livescan	<u>Comparison with Marks</u> - CSI/FEL Recovered Lifts from physical scenes - CSI/FEL Photographs of marks from physical scenes - Fingerprint Enhancement Laboratory Recovered Lifts from physical items - Fingerprint Enhancement Laboratory photographs of marks from physical exhibits	Documented in house procedures using visual manual techniques: - Fingerprint glass - Reference collections - Comparators (optical) - High Quality Printer	A
	<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	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
MARKS AND IMPRESSIONS	Forensic Analysis (cont'd)		
Footwear mark (physical or image)	Screening of suspect footwear by pattern type and size	Documented in-house method (FWU-P-TEC-1) using: - Visual examination	A
	Enhancement of footwear marks recovered from scenes.	Documented In-House methods (FWU-P-TEC-2, FWU-P-TEC-3, FWU-P-TEC-7) using: - Imaging (photo/GL scan / Flat bed scanner) - Lifting (ESLA/Gel)	
	Production of test marks from suspect footwear	Documented In-House method (FWU-P-TEC-12) using: - Powdering methods (static and dynamic) - Paint and acetate sheets (dynamic) - Printscan	
Footwear mark (physical or image) (cont'd)	Assessment, Comparison and evaluation of footwear with scene marks	Documented in-house methods (FWU-P-TEC-12) using: - Visual examination	A
	Opinion and Interpretation The evaluation of the significance of any matching and non-matching features between the footwear scene impression and reference/control footwear marks	Documented In-House method (FWU-P-TEC-4) using - Personal experience - database	A

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)		
Toolmarks	Enhancement of toolmarks	Documented in house method (FWU-P-TEC-7, FWU-P-TEC-8, FWU-P-TEC-9) using: - lighting technique - casting	A
Toolmarks	Production of Test Marks from suspect items	Documented in house method (FWU-P-TEC-8) using - casting - test mark media (lead / wax)	
Toolmarks	Comparison of submitted marks, photographs of marks or marks made from suspect items with marks left at scene	Documented In-House methods (FWU-P-TEC-10) using - visual examination, - low power microscopy - comparison microscopy - dimensional measurements	
Toolmarks	Opinion and Interpretation The evaluation of the significance of any matching and non-matching features between the tool scene impression and reference/control toolmarks	Documented In-House methods (FWU-P-TEC-11) using - Personal experience	

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
DIGITAL DEVICES AND DATA	Forensic Analysis (cont'd)		
Computers			
Computers and digital storage devices - Hard disk drives - Solid state drives - Memory cards - USB flash drives	Capture and preservation of data from storage devices	Documented in-house method(s) (DFU-P-TEC-4) using: - FTK Imager - Tableau T356789iu - Tableau TX1	B
Mobile phones			
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(s) (DFU-P-TEC-5) using: - XRY - UFED 4PC - Manual examination using Digital Camera	B
Mobile phone handsets and tablets associated with the following operating systems: - Apple iOS - Android - Non-smartphone proprietary systems	Processing of data	Documented in-house method(s) (DFU-P-TEC-5) using: - XRY/XAMN - Physical Analyzer	B
(U)SIM cards	Capture and preservation of data	Documented in-house method(s) (DFU-P-TEC-5) using: - XRY - UFED 4PC	B
	Processing of data	Documented in-house method(s) (DFU-P-TEC-5) using: - XRY/XAMN - Physical Analyzer	B

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)		
Mobile phones (cont'd)			
Memory cards associated with mobile phone handsets and tablets	Capture and preservation of data	Documented in-house method(s) (DFU-P-TEC-5) using: - FTK Imager	B
	Processing of data	Documented in-house method(s) (DFU-P-TEC-5) using: - XRY/XAMN - Physical Analyzer	B
END			