

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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



4574

Accredited to
ISO/IEC 17025:2017

Chief Constable of West Midlands Police

Issue No: 023 Issue date: 15 June 2021

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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
Address PO Box 52 Lloyd House Colmore Circus Queensway Birmingham	Local contact Melissa Horton	Forensic Analysis: Firearms A
Address Forensic Science Department Ridgepoint House Birmingham B8 2RU	Local contact Melissa Horton	Forensic Analysis: Body Fluids, Fingerprint Enhancement, Fibres 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
	Forensic Testing	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	
BODY FLUIDS and TISSUES	<u>Forensic Analysis</u>		
Any Material	Searching for: - Blood	Documented In-House Methods (MCL-SOP-010) using: - visual examination - alternative light sources - low power microscopy - chemical testing (see below)	B
	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 - Cellular Material	Documented In-House Methods (MCL-SOP-010 and MCL-SOP-016) using: - swabs and swabbing - mini-taping	B
Blood	Presumptive testing for Blood via detection of: - Peroxidase - Human Haemoglobin	Documented In-House Methods (MCL-SOP-010) using: - Hydrogen Peroxide - LMG (Leucomalachite green) - OBTI	B
FIBRES	<u>Forensic Analysis</u>		
	Recovery of fibres for contingency purposes from clothing and objects	Documented in house Methods (MCL-SOP-009) using - visual examination - taping	B



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FIREARMS Ammunition	<u>Forensic Analysis</u>		
	Examination of discharged ammunition components to determine the number of guns used	In house methods using: comparison microscopy (NABIS-OP-3, 8 & 11)	A
	<u>Opinion and Interpretation</u> The evaluation of features between recovered fired ballistic components	Documented in house methods as above using: - Personal experience - Reference Collections	
	Examination of cartridges to determine if ammunition has been loaded into a firearm	In house methods using: microscopy and comparison microscopy (NABIS-OP-3, 6 & 11)	A
	<u>Opinion and Interpretation</u> The evaluation of features on recovered unfired ammunition	Documented in house methods as above using: - Personal experience - Reference Collections	
	Comparison of spent ammunition to suspect guns	In house methods using: comparison microscopy (NABIS-OP-3, 8, 10 & 11)	A
	<u>Opinion and Interpretation</u> The evaluation of features on recovered fired ballistic components	Documented in house methods as above using: - Personal experience Reference Collections	
Comparison of spent ammunition to suspect guns	National Ballistics Intelligence Service (NaBIS) methods using: - IBIS Bullet Trax, - IBIS Brass Trax, IBIS Matchpoint Plus (NABIS-OP-8 & 9)	A	
Ammunition and component identification and legal classification	Documented In house method using : - Weighing - length measurement use of known samples or standard reference data (NABIS-OP-3, 6, 7 & 11)	A	



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Firearms	<u>Forensic Analysis</u>		
	Firearm and firearm component part identification and legal classification (Firearms Act 1968)	Documented In house method using comparison with known samples, reference standards and publications (NABIS-OP-4, 7 & 12)	A
	Firearm identification from class marks present on ammunition components	In house method using comparison with known samples and use of reference databases. (NABIS-OP-3, 8 & 11)	A
	<u>Opinion and Interpretation</u> The evaluation of features between recovered fired ballistic components	Documented in house methods as above using: - Personal experience - Reference Collections	
Test Firing to generate test samples of ammunition for inclusion in the NABIS database	Documented In house methods meeting the requirements of NABIS (NABIS-OP- 1, 4 & 12)	A	



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MARKS AND IMPRESSIONS Fingermarks Any material which is capable of retaining friction ridge marks	<u>Forensic Analysis</u>		
	Enhancement of fingermarks, palm marks and planter marks	Documented In-House Methods using chemical enhancement and lighting techniques (method numbers provided in brackets) : <ul style="list-style-type: none"> - Acid Treatments : Acid-- Black 1, Acid Violet 17 Acid Yellow 7 (FDL-SOP-007) - Cyanoacrylate (CNA) Fuming (FDL-SOP-005) - Basic Yellow 40 alcohol based (BY40) (FDL-SOP-005) - 1,8-Diazafluoren-9-one (DFO) (FDL-SOP-003) - Physical Developer (FDL-SOP-011) - Ninhydrin (FDL-SOP-002) - Wet Powders : Titanium White and Carbon Black (FDL-SOP-009) - Powdering Techniques : black, aluminium, magenta flake and black magnetic, (FDL-SOP-010) 	B
		Documented In-House Methods using lighting techniques: White Light and Filtered Sources (FDL-SOP-006) High Energy Light Sources (FDL-SOP-006) Collectively operating to cover the following wavelengths 350 – 380nm 395-560nm, 570 – 660nm and 730-800nm.	B
Developed fingerprint marks	Determination of the presence of friction ridge characteristics for the purpose of subsequent comparison	Documented In-House methods using visual examination (FDL-SOP-004)	B



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MARKS AND IMPRESSIONS Fingerprint and palm mark friction ridge detail	<u>Forensic Analysis</u> Visual analysis, comparison and evaluation of recovered friction ridge detail with finger, thumb and palm from: <ul style="list-style-type: none"> • Known ink Tenprint sets • Known electronic tenprint sets 	Documented in-house methods (FB-SOP-003 and FB-SOP-004) using visual examination, low power magnification, comparators, dimensional measurements and reference database	B
	<u>Opinion and Interpretation</u> The evaluation of features between fingerprint and palm mark friction ridge detail	Documented in-house method (FB-SOP-04) using: <ul style="list-style-type: none"> • Personal experience • Databases 	B
DIGITAL DEVICES AND DATA Computers and digital storage devices Data associated with the following: <ul style="list-style-type: none"> - Hard disk drives - Solid state drives - Memory cards - USB flash drives - Microsoft Windows 	<u>Forensic Analysis</u> Screening of digital media for the following: <ul style="list-style-type: none"> - Digital Images 	Documented in-house method (DCOM-SOP-001) using: <ul style="list-style-type: none"> - IEF - X-Ways Forensics - Tableau T356789iu 	B
Computers and digital storage devices <ul style="list-style-type: none"> - Hard disk drives - Solid state drives - Memory cards - USB flash drives - Compact discs - Digital versatile discs 	Physical capture and preservation of data	Documented in-house method (DCOM-SOP-002) using: <ul style="list-style-type: none"> - EnCase - FTK Imager - X-Ways Forensics - Forensic Falcon - Tableau TD3 - Tableau T356789iu 	B



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DIGITAL DEVICES AND DATA (cont'd)	<u>Forensic Analysis</u> (cont'd)		
Computers and digital storage devices <ul style="list-style-type: none"> - Hard disk drives - Solid state drives - Memory cards - USB flash drives 	Physical capture and preservation of data	Documented in-house method (DCOM-SOP-002) using: <ul style="list-style-type: none"> - Task Force 	
Computers and digital storage devices <ul style="list-style-type: none"> - Hard disk drives - Solid state drives 	Physical capture and preservation of data	Documented in-house method (DCOM-SOP-002) using: <ul style="list-style-type: none"> - MacQuisition 	B
Data associated with the following: <ul style="list-style-type: none"> - Microsoft Windows - macOS 	Processing and analysis of data	Documented in-house method(s) (DCOM-SOP-006 and DCOM-SOP-16) using: <ul style="list-style-type: none"> - IEF - EnCase - X-Ways Forensics - AXIOM 	B
	Analysis of data	Documented in-house method (DCOM-SOP-006 and DCOM-SOP-16) using: <ul style="list-style-type: none"> - Laseri-P - Laseri-V 	
Data associated with the following: <ul style="list-style-type: none"> - macOS 	Processing and analysis of data	Documented in-house method (DCOM-SOP-006 and DCOM-SOP-16) using: <ul style="list-style-type: none"> - Blacklight 	



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DIGITAL DEVICES AND DATA (cont'd)	<u>Forensic Analysis</u> (cont'd)		
Mobile phones			
Mobile phone handsets and tablets associated with the following operating systems: - Google Android - Non-smartphone proprietary systems	Physical capture and preservation of data	Documented in-house method(s) (DMOB-SOP-001) using: - XRY - UFED 4PC - UFED Touch2	B
Mobile phone handsets and tablets associated with the following operating systems: - Apple iOS - Google Android - Non-smartphone proprietary systems	Logical capture and preservation of data	Documented in-house method(s) (DMOB-SOP-001) using: - XRY - UFED 4PC - UFED Touch2 - Manual examination	B
Mobile phone handsets and tablets associated with the following operating systems: - Apple iOS - Google Android - Non-smartphone proprietary systems	Processing of data	Documented in-house method(s) (DMOB-SOP-001) using: - XRY - XAMN - UFED Physical Analyzer	B
(U)SIM cards	Logical capture and preservation of data	Documented in-house method(s) (DMOB-SOP-001) using: - XRY	B
	Processing of data	Documented in-house method(s) (DMOB-SOP-001) using: - XRY - XAMN	B



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DIGITAL DEVICES AND DATA (cont'd)	<u>Forensic Analysis</u> (cont'd)		
Memory cards associated with mobile phone handsets and tablets	Physical capture and preservation of data	Documented in-house method(s) (DMOB-SOP-001) using: - FTK Imager	B
	Processing of data	Documented in-house method(s) (DMOB-SOP-001) using: - XRY - XAMN - UFED Physical Analyzer	B
Closed circuit CCTV	<u>Forensic Analysis</u>		
CCTV Systems	Recovery of CCTV footage from digital CCTV system by : - Export video (exporting files using CCTV system, copying via analogue or digital output) - Direct from hard drive and via write blocker drive	Documented in-house method(s) (DVIT-WI-003) using: - Manual interaction with system and / or device - USB - Optical media - Networking - DVR Examiner (DVIT-WI-018) - Proprietary software (DVIT-WI-018) - Carving from known source hard drives using 010 Editor and Winhex (DVIT-WI-018)	B



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DIGITAL DEVICES AND DATA (cont'd) Digital Video including CCTV footage <ul style="list-style-type: none"> - Memory cards - USB flash drives - Compact discs - Digital versatile discs 	<u>Forensic Analysis</u> (cont'd) Production of digital stills (viewing and presentation purposes) Digital video conversion (viewing and presentation purposes)	Documented In-house method(s) using : <ul style="list-style-type: none"> - Ocean Systems Omnivore (DVIT-WI-013) - Range of video players Documented In-house method(s) using : <ul style="list-style-type: none"> - Ocean Systems Omnivore (DVIT-WI-014) - Matrox Convertor (DVIT-WI-014) - Adobe Premier (DVIT-WI-021) - Avid Media Suite (DVIT-WI-020) - Range of CCTV proprietary software players 	B
END			