Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

10007

Accredited to ISO/IEC 17025:2017

Eurofins Forensic Services Limited

Issue No: 128 **Issue date:** 15 October 2026

1 Dukes Green Avenue **Feltham** **TW14 0LR**	**Contact: Mrs Kim Holt** **Tel: +44 (0) 844 2641 999** **Mail: kim.holt@forensicsuk.eurofins.com** **Website: www.eurofins.com**

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 E4 Culham Campus Abingdon Oxfordshire OX14 3ED	Mrs Kim Holt Email: kim.holt@forensicsuk.eurofins.com Website: www.eurofins.com	Forensic Analysis - Archive only	Culham
Address Darwin House Faraday Street Birchwood Park Risley Cheshire WA3 6FW	Mrs Kim Holt Email: kim.holt@forensicsuk.eurofins.com Website: www.eurofins.com	Forensic Analysis Medical/Veterinary	Birchwood Park
Address Royal Armouries Armouries Drive Leeds LS10 1LT	Mrs Kim Holt Email: kim.holt@forensicsuk.eurofins.com Website: www.eurofins.com	Forensic Analysis	Leeds
Address Sir Alec Jeffreys Building Peel Avenue Calder Park Wakefield WF2 7UA	Mrs Kim Holt Email: kim.holt@forensicsuk.eurofins.com Website: www.eurofins.com	Forensic Analysis	Wakefield
Address 109 Lambeth Road London SE1 7LP	Mrs Kim Holt Email: kim.holt@forensicsuk.eurofins.com Website: www.eurofins.com	Forensic Analysis	Lambeth

10007 Accredited to ISO/IEC 17025:2017	**Schedule of Accreditation** issued by **United Kingdom Accreditation Service** 2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK
	Eurofins Forensic Services Limited **Issue No:** 128 **Issue date:** 15 October 2026

Testing performed by the Organisation at the locations specified

Location details		Activity	Location code
Address 1 Dukes Green Avenue Feltham TW14 0LR	Mrs Kim Holt Email: kim.holt@forensicsuk.eurofins.com Website: www.eurofins.com	Toxicology Toxicology (Workplace) Forensic Analysis Analysis of Coroner Samples for Medical Investigation	Heathrow
Address Units 3 Tungsten Park Sandy Way Amington Tamworth B77 4GZ	Mrs Kim Holt Email: kim.holt@forensicsuk.eurofins.com Website: www.eurofins.com	Forensic Analysis	Midlands
Address 16 Blacklands Way Abingdon OX14 1DY	Mrs Kim Holt Email: kim.holt@forensicsuk.eurofins.com Website: www.eurofins.com	Forensic Analysis	Abingdon

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 V2 in relation to the Forensic Activities listed below. In addition, where compliance has been demonstrated for the related FSA specific requirements this is stated below at the relevant schedule entry.	Culham Birchwood Park Leeds Wakefield Lambeth Heathrow Midlands Abingdon
BODY FLUIDS and TISSUES	Forensic Analysis	The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice V2 FSA Specific Requirements: • Human DNA examination and analysis	
Blood - Stains Semen - Whole - Azoospermic Saliva - Stains - Swabs Hair Cellular Material - Ammunition and heavy non-porous objects - Swabs - Cigarette butts - Chewing Gum - Mini tapes Body Tissue - Bone - Teeth	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 - Auto-Lys - Qiagen DNA Investigator STAR DART Manual Auto-Lys - Thermo Scientific™ KingFisher™ Flex Purification System Documented In-House Method using automated quantification - Power Quant Documented In-House Methods using automated amplification (PCR) and the following chemistry: - ESI 17 fast - Y23 Documented In-House Method using - Electrophoresis - Applied Biosystems 3500 Genetic Analyser©	Birchwood Park

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
BODY FLUIDS and TISSUES (cont'd)	<u>Forensic Analysis</u> (cont'd)	The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice V2 FSA Specific Requirements: • Human DNA examination and analysis	
Blood - Stains Semen - Whole - Azoospermic Saliva - Stains - Swabs Hair Cellular Material - Ammunition and heavy non-porous objects - Swabs - Cigarette butts - Chewing Gum - Mini tapes Body Tissue - Bone - Teeth	Short Tandem Repeat (STR) DNA profiling for forensic analysis of: - Crime Scene Samples	Documented In-House Methods using manual/automated extraction - Auto-Lys - Qiagen DNA Investigator STAR DART Manual Auto-Lys - Thermo Scientific™ KingFisher™ Flex Purification System Documented In-House Method using automated quantification - Power Quant Documented In-House Methods using automated amplification (PCR) and the following chemistry: - Fusion 6C Documented In-House Method using - Electrophoresis - Applied Biosystems 3500 Genetic Analyser©	Birchwood Park
	<u>Related Opinions and Interpretation</u> Interpretation of DNA profiles generated internally from crime stains (single source/major-minor mixtures/complex mixtures)	Documented In-House methods using - Genetic Characterisation - GMIDX 1.6	Birchwood Park

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)	The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice V2 FSA Specific Requirements: • Human DNA examination and analysis	
Product of Conception	Short Tandem Repeat (STR) DNA profiling for forensic analysis of foetal tissue	Documented In-House method using manual/automated extraction - Qiagen mini kit	Birchwood Park
		Documented in house methods using manual/automated amplification: - ESI 17 fast - Y-23	Birchwood Park
		Documented In-House Methods using Electrophoresis - Applied Biosystems 3500 Genetic Analyser©	Birchwood Park
Blood - Whole - Swab Body Tissue - Swabs (including muscle) - Muscle Saliva - Swabs (buccal cells)	DNA Profiling: Short Tandem Repeat (STR) DNA profiling for forensic analysis of: - Subject Samples	Documented In-House Methods using manual/automated extraction - Qiagen DNA Investigator - Qiagen Mini Kit - Promega swab solution	Birchwood Park
		Documented In-House Methods using Manual quantification - Power Quant	Birchwood Park
		Documented In-House Methods using Manual amplification (PCR) and the following chemistry: - ESI 17 fast - Y23	Birchwood Park
		Documented In-House Method using - Electrophoresis - Applied Biosystems 3500 Genetic Analyser©	Birchwood Park

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
BODY FLUIDS and TISSUES (cont'd)	<u>Forensic Analysis</u> (cont'd)	The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice V2 FSA Specific Requirements: • Human DNA examination and analysis	
Blood - FTA Saliva - Swabs (buccal cells) - FTA Hair	Short Tandem Repeat (STR) DNA profiling for forensic analysis of: Subject Samples (PACE and Volunteer, VED/SED and PED) meeting the requirements of the Custodian for the Purpose of Supply to the National DNA Database	Documented In-House Methods using manual/automated (Hamilton) or (Certus) extraction - Promega swab solution - Chelex Documented In-House Method using Manual quantification - Power Quant Documented In-House Methods using manual/automated amplification (PCR) and the following chemistry: - ESI 17 fast - Y23 (Swabs (buccal cells only)) - Fusion 6C Documented In-House Methods using -Electrophoresis Applied Biosystems 3500 Genetic Analyser©	Birchwood Park
	<u>Related Opinions and Interpretation</u> Interpretation and analysis of DNA profiles: • ESI 17 fast • Y23 • Fusion 6C (Birchwood Park only)	Documented In-House methods using - Genetic Characterisation o GMIDX 1.6 (not Lambeth) o Insight	Lambeth Birchwood Park

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)	The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice V2 FSA Specific Requirements: • Human DNA examination and analysis	
	Comparison, interpretation and statistical analysis of DNA profiles generated from crime stains with compatible reference DNA profiles (internally generated or from other accredited laboratories)	Documented In-House methods EFS-BM-1409, EFS-BM-1466, EFS-BM-1646, EFS-BM1661, EFS-BM-1662, EFS-BM-1737, EFS-BM-1767, EFS-BM-1923, EFS-BM-2055, EFS BM-2061, EFS-BM-2559, EFS-BM-2587, EFS-BM-683, EFS-BM-1477, EFS-BM-3797 ○ DNA Illuminate (excluding Wakefield) ○ Insight ○ Golden gate ○ MatchProb ○ Mix-It (Birchwood Park only) ○ eNOC ○ Lira 3.0 (ESI17 profiles only) ○ YHRD	Birchwood Park Midlands Wakefield Abingdon

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)	The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice V2 FSA Specific Requirements: • Human DNA examination and analysis	
	Forensic Relationship Analysis		
	Comparison, interpretation and statistical analysis of ESI 17 DNA profiles against compatible DNA Profile information from within submitted cases - Paternity - Maternity - Sibling	Documented In-House methods - Genetic Characterisation o Insight o GPS-ibd	Wakefield
	Comparison, interpretation and statistical analysis of Y23 DNA profiles against compatible DNA Profile information from within submitted cases	Documented In-House methods - Genetic Characterisation o Insight o YHRD	Wakefield Birchwood Park Midlands Abingdon
	Comparison, interpretation and statistical analysis of Y23 DNA profiles against compatible DNA Profile information from within submitted cases - Paternity - Sibling	- Genetic Characterisation o Insight o YHRD o GPS-ibd	Wakefield

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)	The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice V2 FSA Specific Requirements: • Human DNA examination and analysis	
Extracted Fingernail clippings, scrapings and hand swabs	Presumptive testing for vaginal material via identification of: • Vaginal mRNA marker	Documented In-House Methods (EFS-DNAM-4031) using: • RT qPCR	Lambeth Wakefield (reporting only) Midlands (reporting only)
Any Material	Searching for: - Blood - Semen - Saliva - Faeces - Urine - Hairs	Documented In-House EFS-BM-1336 and specific methods listed below using: - visual examination - white light and filtered light - low power microscopy - high power microscopy chemical testing (see below)	Birchwood Park Midlands Wakefield
Any Material	Recovery and preparation, including for contingency purposes, for subsequent DNA analysis at an accredited laboratory of the following from searched materials and swabs: - Blood - Semen - Saliva - Faeces - Urine - Hairs - Cellular Material	Documented In-House Methods EFS-BM-787 and EFS-BM-229 using: - cutting - swabs and swabbing - extraction of stained materials - extraction of swabs - taping - mini-taping	Birchwood Park Midlands Wakefield
Any Material Swabs Mini-tapes Cigarette butts Chewing gum	Recovery and preparation for subsequent DNA analysis at an accredited laboratory of the following from searched materials and swabs: - Blood - Cellular Material	Documented In-House Methods: EFS-BM-2602, EFS-BM-2603, and EFS-BM-787 using: - cutting - swabs and swabbing - mini-taping	Birchwood Park
Products of conception	Forensic examination of in order to determine paternity of the aborted foetus in criminal cases	Documented In-House Method EFS-BM-1765	Wakefield

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)	The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice V2 FSA Specific Requirements: • Human DNA examination and analysis	
Any Material	Recovery and preparation for subsequent DNA analysis or for contingency purposes of the following from searched materials and swabs: - Cellular Material	Documented In-House method EFS-BM-FM-1570 using: - swabs and swabbing - mini-taping	Leeds
Tapes	Recovery and preparation, for subsequent DNA analysis at an accredited laboratory of the following from searched slides: - Semen - Cellular Material	Documented In-House Methods: EFS-BM-229 and EFS-BM-1763	Wakefield Midlands
Glass microscope slides stained with Haematoxylin and Eosin	Recovery and preparation, for subsequent DNA analysis at an accredited laboratory of the following from searched slides: - Semen - Cellular Material	Documented In-House Methods using: EFS-BM-1507	Midlands Wakefield
Any Material	Recovery and preparation for Subsequent DNA analysis or for Preservation for contingency Purposes - Cellular Material	Documented In-House Method EFS-DM-1315a - swabs and swabbing - mini-taping - cutting	Heathrow

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)	The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice V2 FSA Specific Requirements: • Bloodstain pattern analysis	
	Related Opinions and Interpretations		
Blood	Identification, interpretation and recording of blood patterns (BPA) on clothing and other items examined at the laboratory	Documented In-House Methods EFS-BM-600 and EFS-BM-601 using: - visual examination - low power microscopy	Birchwood Park Midlands Wakefield

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)	The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice V2 FSA Specific Requirements: • Human DNA examination and analysis	
Blood	Presumptive testing for Blood via detection of: - Peroxidase - Human Haemoglobin	Documented In-House method EFS-BM-018 using: - KM (Kastle Meyer) - EFS-BM-322 Hematrace	Birchwood Park Midlands Wakefield
Semen	Presumptive testing for seminal fluid, via detection of: - Acid Phosphatase - Choline	Documented In-House Methods using: - EFS-BM-378 Visual Examination - EFS-BM-378 Acid phosphatase detection (colour reaction) - EFS-BM-381 Choline detection by Florence Iodine test	Birchwood Park Midlands Wakefield
Semen	Confirmatory testing for seminal fluid via identification of: - Spermatozoa	Documented In-House Method EFS-BM-380 using: - High power microscopy - Christmas Tree staining - Haematoxylin and Eosin staining	Birchwood Park Midlands Wakefield Abingdon (reporting only)
Saliva	Presumptive testing for saliva via detection of: - Amylase	Documented In-House Method EFS-BM-2539, EFS-BM-064 and EFS-BM-229 using: - Visual examination - Amylase Paper - Phadebas tube test	Birchwood Park Midlands Wakefield
Urine	Presumptive testing for Urine via detection of: - Urea	Documented In-House Method EFS-BM-706 using: - Visual examination - DMAC - Creatinine test	Birchwood Park Midlands Wakefield

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)	The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice V2 FSA Specific Requirements: • Human DNA examination and analysis	
Faeces	Presumptive testing for Human Faeces via detection of: - Urobilinogen	Documented In-House Method EFS-BM-456 using: - Visual examination - Light source operating within the following wavelength: 354nm Schlesinger's test	Birchwood Park Midlands Wakefield
Hairs	Differentiation of Human and Animal hairs	Documented In-House Method EFS-BM-699 using: - visual examination - low power microscopy - high power microscopy	Midlands

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		
Alcohol Technical Defence (in relation to RTA and sexual offences) for sample matrix including Blood/urine/breath	Estimation of alcohol consumption and elimination with respect to validity of drinking patterns: 1) Effect of alleged post accident alcohol consumption on measured breath/body fluids alcohol levels 2) Effect of alleged spiked drink 3) Back calculations of breath/ blood alcohol levels to the time of accident or other incident from 8.7 µg %/20mg% and above	Documented in House method EFS-TM-632 using mathematical calculations	Heathrow
Blood / Urine (Preserved, Unpreserved)	Confirmation of acetone (cut-off 2mg/100mL), ethanol (cut-off 2mg/100mL), isopropanol (cut-off 2mg/100mL), methanol (cut-off 3mg/100mL)	Documented in House method EFS-TM-3925 using: - GC-FID	Heathrow
Blood / Urine (Preserved, Unpreserved)	Identification and quantification of alcohol (ethanol) (Cut off) and [Concentration range]: (>10mg/100ml) [10-400mg/100mL]	Documented in House method EFS-TM-3925 using: - GC-FID	Heathrow
Blood / Urine (Preserved, Unpreserved)	Detection and quantification of alcohol in relation to the Road Traffic Act (>10mg/100ml)	Documented in House method EFS-TM-3925 using: - GC-FID	Heathrow

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)		
Blood (Preserved)	Detection and quantitation of drugs: (Cut off) and [Concentration range]: Delta-9-tetrahydrocannabinol (THC) (0.5 µg/L); [1-14 µg/L] 11-nor-9-carboxy-tetrahydrocannabinol (THC-COOH)) (2.5 µg/L); [5-70 µg/L]	Documented in House method EFS-TM-3448 (automated) using: - Pipetting Robot Liquid Handling System - Protein Precipitation - Solid Phase Extraction - LCMSMS	Heathrow
BODY FLUIDS and TISSUES - TOXICOLOGY		The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice V2 FSA Specific Requirements: Toxicology: analysis for drugs in relation to s5A of the Road Traffic Act 1988	Heathrow
Blood (Preserved)	Detection and quantitation of drugs in relation to s5A of the Road Traffic Act 1988 (as amended) and The Drug Driving (Specified Limits) (England and Wales) Regulations 2014 and [Concentration range]: Delta-9-tetrahydrocannabinol (THC) (2 µg/L); [1-14 µg/L]	Documented in House method EFS-TM-3448 (automated) using: - Pipetting Robot Liquid Handling System - Protein Precipitation - Solid Phase Extraction - LC-MS/MS	Heathrow
Blood (Preserved/ Unpreserved)	Detection and quantitation of drugs: (Cut off) and [Concentration range]: Delta-9-tetrahydrocannabinol (THC) (0.5 µg/L); [1-10 µg/L] 11-nor-9-carboxy-tetrahydrocannabinol (THC-COOH)(2.5µg/L); [5-50 µg/L]	Documented in House method EFS-TM-1704 using: - Solid Phase Extraction - GC-MS-MS	Heathrow
Blood (Preserved/ Unpreserved)	Detection and quantitation of drugs in relation to s5A of the Road Traffic Act 1988 (as amended) and The Drug Driving (Specified Limits) (England and Wales) Regulations 2014: (Cut off) and [Concentration range]:	Documented in House method EFS-TM-1704 using: - Solid Phase Extraction - GC-MS-MS	Heathrow

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)	The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice V2 FSA Specific Requirements: Toxicology: analysis for drugs in relation to s5A of the Road Traffic Act 1988	
	Delta-9-tetrahydrocannabinol (THC) (2 µg/L); [1-10 µg/L]		
Blood (Preserved, Unpreserved)	Detection and quantitation of drugs in relation to s5A of the Road Traffic Act 1988 (as amended) and The Drug Driving (Specified Limits) (England and Wales) Regulations 2014 and [Concentration Range]: Amphetamine (250 µg/L) [100 - 1000 µg/L] Benzoylecgonine (50 µg/L) [25 - 250 µg/L] Clonazepam (50 µg/L) [25 - 250 µg/L] Cocaine (10 µg/L) [5 - 50 µg/L] Diazepam (550 µg/L) [200 - 2000 µg/L] Flunitrazepam (300 µg/L) [100 - 1000 µg/L] Ketamine (20 µg/L) [10 - 100 µg/L] Lorazepam (100 µg/L) [30 - 300 µg/L] Lysergic Acid Diethylamide – LSD (1µg/L) [0.5 - 5 µg/L] Methadone (500 µg/L) [125 - 1250 µg/L] Methylamphetamine (10 µg/L) [5 - 50 µg/L] Methylenedioxymethamphetamine – MDMA (10 µg/L) [5 - 50 µg/L] 6-Monoacetylmorphine (5 µg/L) [2.5 - 25 µg/L] Morphine (80 µg/L) [25 - 250 µg/L] Oxazepam (300 µg/L) [100 - 1000 µg/L] Temazepam (1000 µg/L) [250 - 2500 µg/L]	Documented in House method EFS-TM-1812 using: - Protein precipitation - Solid Phase Extraction - LC-MS-MS	Heathrow

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)	The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice V2 FSA Specific Requirements: Toxicology: analysis for drugs in relation to s5A of the Road Traffic Act 1988	
Blood (Preserved) (cont'd)	Detection and quantitation of drugs in relation to s5A of the Road Traffic Act 1988 (as amended) and The Drug Driving (Specified Limits) (England and Wales) Regulations 2014 [Concentration Range]: Amphetamine (250 µg/L) [20 - 1000 µg/L] Benzoylecgonine (50 µg/L) [20 - 1000 µg/L] Clonazepam (50 µg/L) [5 - 250 µg/L] Cocaine (10 µg/L) [5 - 50 µg/L] Diazepam (550 µg/L) [50 - 2500 µg/L] Flunitrazepam (300 µg/L) [20 - 1000 µg/L] Ketamine (20 µg/L) [5 - 250 µg/L] Lorazepam (100 µg/L) [5 - 250 µg/L] Lysergic Acid Diethylamide – LSD (1µg/L) [0.5 - 25 µg/L] Methadone (500 µg/L) [50 - 2500 µg/L] Methylamphetamine (10 µg/L) [5 - 250 µg/L] Methylenedioxymethamphetamine – MDMA (10 µg/L) [5 - 250 µg/L] 6-Monoacetylmorphine (5 µg/L) [0.5 - 25 µg/L] Morphine (80 µg/L) [5 - 250 µg/L] Oxazepam (300 µg/L) [20 - 1000 µg/L] Temazepam (1000 µg/L) [50 - 2500 µg/L]	Documented In-House method EFS-TM-3679 (automated) using: - Pipetting Robot Liquid Handling System - Protein precipitation - Solid Phase Extraction - LC-MS-MS	Heathrow

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)		
Blood (Preserved)	Confirmation and Quantification of the following drugs; (Cut-off; Concentration range) 6-Monoacetylmorphine (0.25 ng/mL; 0.5–25 ng/mL) Alprazolam (2.5 ng/mL; 5–250 ng/mL) Amphetamine (10 ng/mL; 20–1000 ng/mL) Buprenorphine (1 ng/mL; 1–25 ng/mL) Butylone (2.5 ng/mL; 5–250 ng/mL) Benzoylecgonine (10 ng/mL; 20–1000 ng/mL) Benzylpiperazine* (confirmation only) (20 ng/mL)	Documented In-House method EFS-TM-3679 (automated) using; - Pipetting Robot Liquid Handling System - Protein precipitation - Solid Phase Extraction - LC-MS-MS	Heathrow

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)		
Blood (Preserved) (cont'd)	Confirmation and Quantification of the following drugs; (cont'd) (Cut-off; Concentration range) Clonazepam (5 ng/mL; 5–250 ng/mL) Cocaethylene (2.5 ng/mL; 5–250 ng/mL) Cocaine (2.5 ng/mL; 5–50 ng/mL) Codeine (2.5 ng/mL; 5–250 ng/mL) Chlorophenylpiperazine (2.5 ng/mL; 5–250 ng/mL) Dihydrocodeine (2.5 ng/mL; 5–250 ng/mL) Diazepam (25 ng/mL; 50–2500 ng/mL) Desmethyldiazepam (25 ng/mL; 50–2500 ng/mL) Flunitrazepam (10 ng/mL; 20– 1000 ng/mL) Ketamine (2.5 ng/mL; 5–250 ng/mL) Lorazepam (2.5 ng/mL; 5–250 ng/mL) LSD (0.25 ng/mL; 0.5–25 ng/mL) Methylamphetamine (2.5 ng/mL; 5–250 ng/mL) MDA (10 ng/mL; 20–1000 ng/mL) MDMA (2.5 ng/mL; 5–250 ng/mL) Methadone (25 ng/mL; 50–2500 ng/mL) MDPV (2.5 ng/mL; 5–250 ng/mL) Methylethcathinone (2.5 ng/mL; 5–250 ng/mL) Methylmethcathinone (2.5 ng/mL; 5–250 ng/mL) Methylone (2.5 ng/mL; 5–250 ng/mL) Morphine (2.5 ng/mL; 5–250 ng/mL) Oxazepam (10 ng/mL; 20–1000 ng/mL) Phenazepam (2.5 ng/mL; 5–250 ng/mL) Temazepam (25 ng/mL; 50–2500 ng/mL) TFMPP (2.5 ng/mL)(confirmation only) Tramadol (10 ng/mL; 20–1000 ng/mL)	Documented In-House method EFS-TM-3679 (automated) using; - Pipetting Robot Liquid Handling System - Protein precipitation - Solid Phase Extraction - LC-MS-MS	Heathrow

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)		
Blood (Preserved) (cont'd)	Confirmation and Quantification of the following drugs; (cont'd) (Cut-off; Concentration range) Trazodone (5ng/mL) (confirmation only) Zopiclone (5 ng/mL; 5–250 ng/mL)	Documented In-House method EFS-TM-3679 (automated) using; - Protein precipitation - Pipetting Robot Liquid Handling System - Solid Phase Extraction - LC-MS-MS	Heathrow
Blood (Preserved, Unpreserved)	Confirmation and Quantification of the following drugs; (Cut-off; Concentration range) Sildenafil (0.001; 0.005 – 0.5 mg/L) Tadalafil (0.0025; 0.005 – 0.5 mg/L) Vardenafil (0.0025; 0.005 – 0.5 mg/L)	Documented In-House method EFS-TM-2412 using; - Protein precipitation - LC-MS-MS	Heathrow
Blood (Preserved, Unpreserved)	Confirmation and Quantification of the following drugs; (Cut-off; Concentration range) Amisulpride (1.25 ng/mL; 5- 250 ng/mL) Aripiprazole (1.25 ng/mL; 5- 250 ng/mL) Chlorpromazine (0.25 ng/mL; 1- 50 ng/mL) Clozapine (1.25 ng/mL; 5- 250 ng/mL) Duloxetine (0.25 ng/mL; 1- 50 ng/mL) Fluoxetine (1.25 ng/mL; 5- 250 ng/mL) Flupentixol (0.25 ng/mL; 1- 50 ng/mL) Fluphenazine (0.25 ng/mL; 1- 50 ng/mL) Haloperidol (0.25 ng/mL; 1- 50 ng/mL) Norclozapine (1.25 ng/mL; 5- 250 ng/mL) Olanzapine (1.25 ng/mL; 5- 250 ng/mL) Paliperidone (9-hydroxyrisperidone) (0.25 ng/mL; 1- 50 ng/mL) Paroxetine (1.25 ng/mL; 5- 250 ng/mL) Prochlorperazine (0.25 ng/mL; 1- 50 ng/mL) Quetiapine (1.25 ng/mL; 5- 250 ng/mL) Reboxetine (0.25 ng/mL; 1- 50 ng/mL) Risperidone (0.25 ng/mL; 1- 50 ng/mL) Sulpiride (1.25 ng/mL; 5- 250 ng/mL) Trifluoperazine (0.25 ng/mL; 1- 50 ng/mL) Zuclopenthixol (0.25 ng/mL; 1- 50 ng/mL)	Documented In-House method EFS-TM-3598 using; - Protein precipitation - Phospholipid removal - LC-MS-MS	Heathrow
Blood (Preserved, Unpreserved)	Presumptive screening for the presence of drugs of abuse (Cut-off; Concentration range) **Drug types/groups:** Cannabinoids (10µg/L; 5-50µg/L)	Documented in house method EFS-TM-2058 using: - Solid Phase Extraction - GC-MS-MS	Heathrow

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
BODY FLUIDS and TISSUES (cont'd) Blood/Urine (Preserved, Unpreserved)	<u>Forensic Analysis</u> (cont'd) Presumptive screening for the presence of drugs of abuse (Cut-off Blood;Urine) -7-Aminoclonazepam (0.005mg/L; 0.005mg/L) 7-Aminoflunitrazepam (0.001mg/L; 0.002mg/L) 7-Aminonitrazepam (0.005mg/L; 0.005mg/L) Alprazolam (0.001mg/L; 0.002mg/L) Amobarbital (2mg/L; 2mg/L) Bromazepam (0.001mg/L; 0.002mg/L) Chlordiazepoxide (0.005mg/L; 0.005mg/L) Clobazam (0.005mg/L; 0.005mg/L) Clonazepam (0.001mg/L; 0.001mg/L) Demoxepam (0.005mg/L; 0.005mg/L) Desalkylflurazepam (0.005mg/L; 0.005mg/L) Desmethyldiazepam (0.005mg/L; 0.005mg/L) Diazepam (0.005mg/L; 0.005mg/L) Diclazepam (0.001mg/L; 0.002mg/L) Etizolam (0.001mg/L; 0.001mg/L) Flubromazolam (0.001mg/L; 0.001mg/L) Flunitrazepam (0.001mg/L; 0.001mg/L) Flurazepam (0.001mg/L; 0.001mg/L) Lorazepam (0.001mg/L; 0.002mg/L) Lormetazepam (0.001 mg/L; 0.001 mg/L) Midazolam (0.001 mg/L; 0.002 mg/L) Nitrazepam (0.005 mg/L; 0.005 mg/L) Oxazepam (0.005 mg/L; 0.005 mg/L) Phenazepam (0.005 mg/L; 0.005 mg/L) Phenobarbital (2 mg/L; 2 mg/L) Pentobarbital (2 mg/L; 2 mg/L) Secobarbital (2 mg/L; 2 mg/L) Sildenafil (0.01 mg/L; 0.01 mg/L)	Documented in house method EFS-TM-1903 using: - Solid-phase extraction - UPLC/QExactive Orbitrap-MS - UPLC/Q-TOF MS - Protein precipitation	Heathrow

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)		
Blood/Urine (Preserved, Unpreserved)	Presumptive screening for the presence of drugs of abuse (Cut-off Blood;Urine) Tadalafil (0.02 mg/L; 0.02 mg/L) Temazepam (0.005 mg/L; 0.005 mg/L) Thiopental (2 mg/L; 2 mg/L) Triazolam (0.001 mg/L; 0.001 mg/L) Vardenafil (0.01 mg/L; 0.01 mg/L) Zaleplon (0.002 mg/L; 0.004 mg/L) Zolpidem (0.001 mg/L; 0.001 mg/L) Zopiclone (0.001 mg/L; 0.002 mg/L)	Documented in house method EFS-TM-1903 using: - Protein precipitation - Solid-phase extraction - UPLC/QExactive Orbitrap-MS - UPLC/Q-TOF MS	Heathrow
Blood/Urine (Preserved, Unpreserved)	Presumptive screening for the presence of drugs of abuse (Cut-off Blood;Urine) (cont'd) Analgesic and Anti-Inflammatory Group: - Baclofen (0.1 mg/L; 0.1 mg/L) - Diclofenac (1 mg/L; 1 mg/L) - Furosemide (1 mg/L; 1mg/L) - Ibuprofen (5 mg/L; 5 mg/L) - Naproxen (5 mg/L; 5 mg/L) - Paracetamol (5 mg/L; 25 mg/L) - Salicylic Acid (1 mg/L; 1 mg/L) - Warfarin (0.25 mg/L; 0.25 mg/L) Anticonvulsant Group: - Carbamazepine (1 mg/L; 1 mg/L) - Gabapentin (1mg/L; 1 mg/L) - Levetiracetam (20 mg/L; 40 mg/L) - Phenytoin (1mg/L; 1 mg/L) - Pregabalin (1mg/L; 1 mg/L) - Primidone (1mg/L; 2 mg/L) - Topiramate (1 mg/L; 1 mg/L) - Valproic Acid (5 mg/L; 5 mg/L) - Zonisamide (1 mg/L; 1 mg/L) Others: - Methylphenidate (0.1 mg/L; 0.1 mg/L) - Ethylphenidate (0.001 mg/L; 0.005 mg/L) - Ritalinic Acid (0.005 mg/L; 0.005 mg/L) - Theophylline (10 mg/L; 10mg/L)	Documented in house method EFS-TM-1903 using: - Protein precipitation - Solid-phase extraction - UPLC/QExactive Orbitrap-MS - UPLC/Q-TOF MS	Heathrow

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)		
Blood (Preserved, Unpreserved) (cont'd)	Confirmation (above specified cut-off) of the following drugs (cut-off): EDDP (0.005mg/L) Cathinone (0.00125mg/L) Methylone (0.005mg/L) 7-Aminonitrazepam (0.001mg/L)	Documented In-House Method EFS-TM-1713 using: - Protein precipitation - Solid-phase extraction - LC-MS-MS	Heathrow
Blood (Preserved, Unpreserved) (cont'd)	Confirmation (above specified cut-off) of the following drugs (cut-off): Butylone (0.00125 mg/L) MDPV (0.00125 mg/L) Methylethcathinone (0.00125 mg/L) Oxymorphone (0.00125 mg/L)	Documented In-House Method EFS-TM-1713 using:	Heathrow
Blood (Preserved, Unpreserved)	Confirmation and Quantitative Analysis of the following drugs (Cut-off Limit; Concentration Range) **Amphetamines** Amphetamine (0.00125mg/L; 0.005-0.4mg/L) Methylamphetamine (0.00125mg/L; 0.005-0.4mg/L) MBDB (0.00125mg/L; 0.005-0.4mg/L) MDA (0.005mg/L; 0.025-0.4mg/L MDEA (0.00125mg/L; 0.005-0.4mg/L) MDMA (0.00125mg/L; 0.005-0.4mg/L) PMA (0.00125mg/L; 0.005-0.4mg/L) PMMA (0.00125mg/L; 0.005-0.4mg/L) **Cathinones** Mephedrone (0.00125mg/L; 0.005-0.4mg/L) Pentylone (0.00125mg/L; 0.005-0.4mg/L)	Documented In-House Method EFS-TM-1713 using: - Protein precipitation - Solid-phase extraction - LC-MS-MS	Heathrow

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)		
Blood (Preserved, Unpreserved) (cont'd)	Confirmation and Quantitative Analysis of the following drugs (Cut-off Limit; Concentration Range) (cont'd) **Opiates/Opioids** 6-monoacetylmorphine (6MAM) (0.00025mg/L; 0.001-0.08mg/L) Buprenorphine (0.001mg/L; 0.001-0.08mg/L) Codeine (0.00125mg/L; 0.005-0.4mg/L) Dihydrocodeine (0.00125mg/L; 0.005-0.4mg/L) Fentanyl (0.000125mg/L; 0.0005-0.04mg/L) Methadone (0.00125mg/L; 0.005-0.4mg/L) Morphine (0.00125mg/L; 0.005-0.4mg/L) Naloxone (0.001mg/L; 0.005-0.08mg/L) Noscapine(0.00125mg/L; 0.005-0.4mg/L) Oxycodone(0.00125mg/L; 0.005-0.4mg/L) Papaverine(0.00125mg/L; 0.005-0.4mg/L) Tramadol (0.005mg/L; 0.025-0.4mg/L) **Cocaine group** Benzoylecgonine (0.00125mg/L; 0.005-0.4mg/L) Cocaethylene (0.00125mg/L; 0.005-0.4mg/L) Cocaine (0.00125mg/L; 0.005-0.4mg/L)	Documented In-House Method EFS-TM-1713 using:	Heathrow

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)		
Blood (Preserved, Unpreserved) (cont'd)	Confirmation and Quantitative Analysis of the following drugs (Cut-off Limit; Concentration Range): Beta-hydroxybutyrate (BHB (50 mg/L; 50-500 mg/L) Gamma-hydroxybutyrate (GHB) (2 mg/L; 5-200 mg/L)	Documented in House method EFS-TM-4408 using: - GC-MS-MS	Heathrow

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)		
Blood (Preserved, Unpreserved) (cont'd)	Confirmation and Quantitative Analysis of the following drugs (Cut-off Limit; Concentration Range) (cont'd) **Benzodiazepines** 7-aminoclonazepam (0.001mg/L; 0.005-0.08mg/L) 7-aminoflunitrazepam (0.001mg/L; 0.005-0.08mg/L) Alprazolam (0.001mg/L; 0.005-0.08mg/L) Bromazepam (0.001mg/L; 0.005-0.08mg/L) Chlordiazepoxide (0.00125mg/L; 0.005-0.4mg/L) Clobazam (0.00125mg/L; 0.005-0.4mg/L) Clonazepam (0.001mg/L; 0.005-0.08mg/L) Demoxepam (0.00125mg/L; 0.005-0.4mg/L) Desalkylflurazepam (0.005mg/L; 0.001-0.08mg/L) Desmethyldiazepam (0.00125mg/L; 0.005-0.4mg/L) Diazepam (0.00125mg/L; 0.005-0.4mg/L) Diclazepam (0.00025mg/L; 0.001-0.08mg/L) Etizolam (0.001mg/L;0.005-0.08mg/L) Flunitrazepam (0.00025mg/L; 0.001-0.08mg/L) Flurazepam (0.00025mg/L; 0.001-0.08mg/L) Lorazepam (0.001mg/L; 0.005-0.08mg/L) Lormetazepam (0.001mg/L; 0.005-0.08mg/L) Midazolam (0.001mg/L; 0.005-0.08mg/L)	Documented In-House Method EFS-TM-1713 using: - Protein precipitation - Solid-Phase extraction - LC-MS-MS	Heathrow

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)		
Blood (Preserved, Unpreserved) (cont'd)	Confirmation and Quantitative Analysis of the following drugs (Cut-off Limit; Concentration Range) (cont'd) **Benzodiazepines** (cont'd) Nitrazepam (0.001mg/L; 0.005-0.08mg/L) Oxazepam (0.00125mg/L; 0.005-0.4mg/L) Phenazepam (0.00125mg/L; 0.005-0.4mg/L) Temazepam (0.00125mg/L; 0.005-0.4mg/L) Triazolam (0.001mg/L; 0.005-0.08mg/L) **Ephedrines** Ephedrine (0.00125mg/L; 0.005-0.4mg/L) Norephedrine (0.00125mg/L; 0.005-0.4mg/L) Norpseudoephedrine (0.00125mg/L;0.005-0.4mg/L) Pseudoephedrine (0.00125mg/L; 0.005-0.4mg/L) Ketamine (0.00125mg/L; 0.005-0.4mg/L) Norketamine (0.00125mg/L; 0.005-0.4mg/L) **Piperazines** Benzylpiperazine (0.005mg/L; 0.025-0.4mg/L) Chlorophenylpiperazine (0.00125mg/L; 0.005-0.4mg/L) Trifluoromethylphenylpiperazine (0.00125mg/L; 0.005-0.4mg/L) **Z Drugs** Zaleplon (0.001mg/L; 0.005-0.08mg/L) Zolpidem (0.00025mg/L; 0.001-0.08mg/L) Zopiclone (0.00025mg/L; 0.001-0.08mg/L)	Documented In-House Method EFS-TM-1713 using: - Protein precipitation - Solid-Phase extraction - LC-MS-MS	Heathrow

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)		
Urine (Preserved, Unpreserved)	Confirmation of the following drugs (Cut-off Limit): **Amphetamines** Amphetamine (1.25 ng/mL) MBDB (1.25 ng/mL) MDA (1.25 ng/mL) MDEA (1.25 ng/mL) MDMA (1.25 ng/mL) PMA (1.25 ng/mL) PMMA (1.25 ng/mL) Benzylpiperazine (5 ng/mL) CPP (1.25 ng/mL) TFMPP (1.25 ng/mL) Ephedrine (1.25 ng/mL) Norephedrine (1.25 ng/mL) Norpseudoephedrine (1.25 ng/mL) Pseudoephedrine (1.25 ng/mL) Methamphetamine (1.25 ng/mL) Methylone (1.25 ng/mL) **Cathinones** Cathinone (1.25 ng/mL) Mephedrone (1.25 ng/mL) Pentylone (1.25 ng/mL) MDPV (1.25 ng/mL) Methylethcathinone (1.25 ng/mL) Butylone (1.25 ng/mL) **Opioids** Fentanyl (0.125 ng/mL) Buprenorphine (0.25 ng/mL) 6-MAM (0.25 ng/mL) Morphine (1.25 ng/mL) Codeine (1.25 ng/mL) Dihydrocodeine (DHC) (1.25 ng/mL) Methadone (1.25 ng/mL) Oxycodone (1.25 ng/mL) Oxymorphone (1.25 ng/mL) Tramadol (1.25 ng/mL) Naloxone (0.25 ng/mL) Noscapine (1.25 ng/mL) Papaverine (1.25 ng/mL)	Documented In-House Method EFS-TM-1713 using: - Protein precipitation - Solid-Phase extraction - LC-MS-MS	Heathrow

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)		
Urine (Preserved, Unpreserved)	Confirmation of the following drugs (Cut-off Limit): **Benzodiazepine type** Clonazepam (0.25 ng/mL) Nitrazepam (0.25 ng/mL) Zolpidem (0.25 ng/mL) Zopiclone (0.25 ng/mL) 7-Aminoflunitrazepam (0.25 ng/mL) 7-Aminonitrazepam (0.25 ng/mL) Alprazolam (0.25 ng/mL) Lorazepam (0.25 ng/mL) Midazolam (0.25 ng/mL) Chlordiazepoxide (1.25 ng/mL) Demoxepam (1.25 ng/mL) Desmethyldiazepam (1.25 ng/mL) Diazepam (1.25 ng/mL) Oxazepam (1.25 ng/mL) Phenazepam (1.25 ng/mL) Temazepam (1.25 ng/mL) 7-Aminoclonazepam (0.25 ng/mL) Bromazepam (0.25 ng/mL) Clobazam (1.25 ng/mL) Desalkylflurazepam (1 ng/mL) Diclazepam (0.25 ng/mL) Etizolam (0.25 ng/mL) Flunitrazepam (0.25 ng/mL) Flurazepam (0.25 ng/mL) Lormetazepam (1 ng/mL) Triazolam (0.25 ng/mL) **Cocaine** Cocaine (1.25 ng/mL) Cocaethylene (1.25 ng/mL) Benzoylecgonine (1.25 ng/mL) **Other** Ketamine (1.25 ng/mL) Norketamine (1.25 ng/mL) EDDP (1.25 ng/mL) Zaleplon (0.25 ng/mL)	Documented In-House Method EFS-TM-1713 using: - Protein precipitation - Solid-Phase extraction - LC-MS-MS	Heathrow

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)		
Blood/Urine (Preserved, Unpreserved)	Screening (Qualitative) and Confirmation (above specified cut-off) Quantitative analyses of basic, neutral and acidic drugs: (cut-off limit): **Amphetamine type** Methylethcathinone (0.01mg/L) Amphetamine, (0.01mg/L) Benzylpiperazine, (0.01mg/L) Butylone, (0.01mg/L) Cathinone, (0.01mg/L) Ephedrine, (0.01mg/L) Chlorophenylpiperazine (CPP), (0.01mg/L) MDA, (0.01mg/L) MDMA, (0.01mg/L) MDPV, (0.01mg/L) Mephedrone, (0.01mg/L) Methylamphetamine, (0.01mg/L) Methylone, (0.01mg/L) Naphyrone, (0.01mg/L) Norephedrine, (0.01mg/L) Pentylone, (0.01mg/L) PMA, (0.01mg/L) PMMA, (0.01mg/L) TFMPP (0.01mg/L)	Documented In-House Method EFS-TM-1711 using: - Protein precipitation - Solid-phase extraction - LC-MS-MS	Heathrow

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)		
Blood/Urine (Preserved, Unpreserved) (cont'd)	Screening (Qualitative) and Confirmtation (above specified cut-off) Quantatative analyses of basic, neutral and acidic drugs: (cut-off limit): **Opioids** Fentanyl, (0.0005mg/L) Buprenorphine, (0.0025mg/L) 6-MAM, (0.0025mg/L) Morphine, (0.005mg/L) Codeine, (0.005mg/L) Dextropropoxyphene, (0.01mg/L) Dihydrocodeine (DHC), (0.005mg/L) EDDP, (0.005mg/L) Methadone, (0.005mg/L) Oxycodone, (0.005mg/L) Oxymorphone, (0.005mg/L) Pethidine, (0.01mg/L) Pholcodine, (0.01mg/L) Tramadol (0.01mg/L) **Cocaine** Cocaine, (0.005mg/L) Benzoylecgonine (0.01mg/L) **Benzodiazepine type** Clonazepam, (0.005mg/L) Nitrazepam, (0.005mg/L) Zaleplon, (0.005mg/L) Zolpidem, (0.005mg/L) Zopiclone, (0.005mg/L) 7-Aminoflunitrazepam (0.005mg/L) Alprazolam, (0.005mg/L) Lorazepam, (0.005mg/L) Midazolam, (0.005mg/L) Chlordiazepoxide, (0.01mg/L) Demoxepam, (0.01mg/L) Desmethyldiazepam, (0.01mg/L) Diazepam, (0.01mg/L) Oxazepam, (0.01mg/L) Phenazepam, (0.01mg/L) Temazepam (0.01mg/L)	Documented In-House Method EFS-TM-1711 using: - Protein precipitation - Solid-phase extraction - LC-MS-MS	Heathrow

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)		
Blood/Urine (Preserved, Unpreserved) (cont'd)	Screening (Qualitative) and Confirmation (above specified cut-off) Quantitative analyses of basic, neutral and acidic drugs: (cut-off limit): **Antidepressant** Amitriptyline, (0.01mg/L) Citalopram, (0.01mg/L) Desipramine, (0.01mg/L) Dosulepin (0.01mg/L) Duloxetine, (0.005mg/L) Fluoxetine, (0.1mg/L) Fluvoxamine, (0.01mg/L) Imipramine, (0.01mg/L) Mirtazapine, (0.01mg/L) Nortriptyline, (0.01mg/L) Paroxetine, (0.01mg/L) Sertraline, (0.01mg/L) Trazodone, (0.01mg/L) Venlafaxine (0.01mg/L) **Antihistamine** Chlorpheniramine, (0.01mg/L) Cyclizine, (0.01mg/L) Diphenhydramine, (0.01mg/L) Hydroxyzine, (0.01mg/L) Promethazine (0.01mg/L) **Antipsychotic** Chlorpromazine, (0.025mg/L) Clozapine, (0.025mg/L) Olanzapine, (0.025mg/L) Quetiapine, (0.025mg/L) **Beta Blocker** Atenolol (0.05mg/L) Propanolol (0.01mg/L) **Other** Ketamine, (0.01mg/L) Lamotrigine, (0.05mg/L) Procyclidine, (0.01mg/L) Caffeine (5mg/L)	Documented In-House Method EFS-TM-1711 using: - Protein precipitation - Solid-phase extraction - LC-MS-MS	Heathrow

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)		
Blood (preserved, unpreserved)	Confirmation and Quantitative Analysis of the following drugs (Cut-off Limit; Concentration Range): Carbamazepine (0.25, 1- 45 mg/L) Gabapentin (0.25, 1- 45 mg/L) Lamotrigine (0.25, 1- 45 mg/L) Levetiracetam (0.25, 1- 45 mg/L) Phenobarbital (1, 1- 45 mg/L) Phenytoin (0.5, 1- 45 mg/L) Pregabalin (0.25, 1- 45 mg/L) Primidone (0.25, 1- 45 mg/L) Topiramate (0.25, 1- 45 mg/L) Valproic Acid (2.5, 10- 450mg/L) Zonisamide (0.25, 1- 45 mg/L)	Documented in House method EFS-TM-2463 using: - Protein precipitation - LC-MS-MS	Heathrow
Urine (preserved, unpreserved)	Confirmation of drugs (above specified cut-off limit): Carbamazepine (0.25, mg/L) Gabapentin (0.25 mg/L) Lamotrigine (0.25 mg/L) Levetiracetam (0.25 mg/L) Phenobarbital (1 mg/L) Phenytoin (0.5 mg/L) Pregabalin (0.25 mg/L) Primidone (0.25 mg/L) Topiramate (0.25 mg/L) Valproic Acid (2.5 mg/L) Zonisamide (0.25 mg/L)	Documented in House method EFS-TM-2463 using: - Protein precipitation - LC-MS-MS	Heathrow
Urine (preserved, unpreserved)	Presumptive screening for the presence of the following drug(s) or drug group(s) (Cut off range): THC metabolites (25ng/ml)	Documented In-House Method EFS-WDT-2168 using Beckman Coulter A5810 analyser	Heathrow
Urine (preserved, unpreserved)	Confirmation Analysis of the following drugs (Cut-off Limit): 11-nor-9-carboxy-tetrahydrocannabinol (THC-COOH) (15 ng/mL)	Documented In-House Method EFS-WDT-3505 Using LC MS/MS	Heathrow

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)		
Blood	Identification and quantification of carbon monoxide via carboxyhaemoglobin	Documented In-House Method EFS-TM-1585 using: - UV/visible spectrophotometer	Heathrow
Blood	Identification and quantification of Fluoride	Documented In-House Method EFS-TM-621 using: - Ion-selective electrode	Heathrow
Urine	Identification and quantification of Fluoride	Documented In-House Method EFS-TM-621 using: - Ion-selective electrode	Heathrow
Blood	Confirmation and Quantitative Analysis of the following drugs (Concentration Range) Paracetamol (10-500mg/L) Salicylic Acid (20-1000mg/L)	Documented in-house method EFS-TM-2267 using: - Protein precipitation - HPLC	Heathrow
Urine	Identification and quantification of GHB (Gamma-Hydroybutyrate) (concentration range 3-150mg/L)	Documented in-house method EFS-TM-2244 using: - LCMSMS	Heathrow
DAMAGE	Forensic Analysis		
Damage (Clothing and Fabric)	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 EFS-BM-050 using: - Visual examination - Microscopy	Birchwood Park Midlands
	Examination, assessment and evaluation of a damage item	Documented In-House Methods using: - Visual examination - Microscopy	Wakefield

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
DOCUMENTS	Forensic Analysis (cont'd)		
Handwriting (Roman script)	The examination of submitted items to compare handwriting from known and suspect sources Opinions and Interpretation The evaluation of the significance of any similarities and differences between the handwriting on submitted items and/or suspect/reference sources to determine the likelihood of them being written by the same/different individuals.	Documented in house method EFS-QDM-1096 using: - Visual examination - low power microscopy	Heathrow
Signatures	The examination of submitted items to compare signatures from known and suspect sources Opinions and Interpretation The evaluation of the significance of any similarities and differences between signatures on submitted items and/or suspect/reference sources to determine the likelihood of them being written by the same/different individuals.	Documented in house method EFS-QDM-1096 using: - visual examination - low power microscopy	Heathrow
Paper and other material	Detection and enhancement of indented marks made by handwriting	Documented in house method using EFS-QDM-1094: - oblique lighting - low power microscopy - ESDA	Heathrow
Documents	Detection of alterations and decipherment of altered or obliterated entries - Ink examination	Documented in house methods EFS-QDM-1575 using: - lighting techniques, - visual examination - microscopy - VSC	Heathrow
Documents	Reconstruction of damaged, torn or shredded documents	Documented In-House Methods EFS-QDM-2421, EFS-QDM-2422, EFS-QDM-2423, EFS-QDM-3261 using: - Visual Examination - Low Power Microscopy - Light sources (254nm to 395nm)	Heathrow

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
DOCUMENTS (cont'd)	Forensic Analysis (cont'd)		
Inks	Comparison of inks	Documented in house method EFS-QDM-1575 using: - VSC - Lighting techniques - visual examination - low power microscopy	Heathrow
DRUGS (and materials suspected of containing drugs)	Forensic Analysis Legal classification of controlled drugs (Misuse of Drugs Act 1971)		
	Identification of cannabis products	Documented in house method EFS-DM-001 using: - Duquenois Levine Colour test (Negms test) - Microscopy - Thin-layer chromatography (TLC) (Heathrow only)	Wakefield Lambeth Heathrow Midlands
	Determination of Tetrahydrocannabinol (THC) in Cannabis, cannabis resin and cannabis products	Documented in house method EFS-DM-009 using: - GC-FID	Heathrow
Drugs of Abuse	Screening for the presence of: Amphetamine Methylamphetamine Diamorphine Ecstasy types Opiates	Documented In-House method EFS-DM-007 using Spot tests: - Marquis colour test	Wakefield Lambeth Midlands
	Cocaine	- Acidified Cobalt Thiocyanate colour test	Wakefield Midlands
	Ketamine	- Modified Cobalt Thiocyanate colour test	Lambeth

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
DRUGS (and materials suspected of containing drugs) (cont'd)	Forensic Analysis (cont'd)		
Drugs of Abuse	Screening for the presence of - Amphetamine - Methylamphetamine - MDMA - Diamorphine - Cocaine - Methadone	Documented In-House method EFS-DM-034 using: - Thin layer chromatography (TLC)	Heathrow
	Identification of: - Amphetamine - Cocaine - Codeine - Diamorphine - Diazepam - Dihydrocodeine - Ephedrine - Ketamine - Methadone - Methamphetamine - Methylenedioxyamphetamine (MDA) - Methylenedioxymethyl-amphetamine (MDMA) - Methylenedioxyethyl-amphetamine (MDEA) - Nitrazepam (not Heathrow) - Temazepam (not Heathrow)	Documented In-House method EFS-DM-002 using: - GC-MS	Wakefield Heathrow Midlands

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
DRUGS (and materials suspected of containing drugs) (cont'd)	Forensic Analysis (cont'd)		
	Identification of: - Amphetamine - Methylampetamine - Diamorphine - Methylenedioxymethyl-amphetamine (MDMA) - Cocaine	Documented In-House method EFS-DM-002 using: - GC-MS	Lambeth
	Identification of: - Amphetamine Sulphate - Methylamphetamine Hydrochloride - Diamorphine - Methylenedioxymethamphetamine Hydrochloride (MDMA HCL)Cocaine - Cocaine hydrochloride - Ketamine hydrochloride (Lambeth only)	Documented In-House method EFS-DM-035 using: - FT-IR	Wakefield Lambeth Heathrow Midlands
	Identification of: - Lysergide	Documented In-House method EFS-DM-034 using: - TLC	Heathrow
	Identification of: - Opium (raw and prepared)	Documented In-House method EFS-DM-809 using: - Visual examination - TLC - GC-MS	Heathrow
	Quantitation of: - Amphetamine - Methylamphetamine - Methylenedioxymethylanmphetamine (MDMA) - Cocaine - Diamorphine	Documented In-House method EFS-DM-3210 using: - HP-LC	Heathrow

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
DRUGS (and materials suspected of containing drugs) (cont'd)	Forensic Analysis (cont'd)		
	Recovery and identification of drug traces from drug paraphernalia and packaging	Documented in house method using: - solvent washing - dry recovery with swabs and swabbing	Wakefield
	Identification of additives and diluents commonly associated with drugs - Caffeine - Paracetamol - Glucose - Lactose - Sucrose - Levamisol - Lignocaine - Phenacetin - Benzocaine - Procaine	Documented in house method EFS-DM-035 using: - GC-MS - FTIR	Wakefield
	Identification of characteristically marked proprietary pharmaceuticals, illicit copies and other drugs products	Documented in house method using: - Visual comparison of appearance, markings, dimensions with reference materials, data collections and descriptions in authoritative texts	Wakefield
	Identification of Nitrous Oxide gas	Documented in house method EFS-DM-2268 using - FTIR	Heathrow

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
FIBRES	Forensic Analysis (cont'd)		
Man-made fibres, Natural (animal/vegetable) fibres	Recovery of fibres for contingency purposes from clothing and objects	Documented in house method EFS-SM-2804 using: - Visual examination - Low power microscopy - Taping (not Leeds)	Leeds Birchwood Park Midlands Wakefield
	Search and recovery of fibres from clothing and objects for analysis (*including tapings)*	Documented in house method EFS-SM-2804: - Visual examination, - Low power microscopy and screening, - Fibre recovery (taping) - Mounting	Midlands
	Identification of fibre type	Documented in house method using: - High power microscopy - Polarised light microscopy - FT-IR (EFS-CM-4631)	Midlands
	Comparison of fibres	Documented in house method EFS-SM-2804 using: - Polarised light microscopy - Comparison microscopy	Midlands
Man-made fibres, Natural (animal/vegetable) fibres	Spectroscopic analysis of fibres in the visible range for the purpose of comparison of fibres	Documented in house method (EFS-MM-4620) using: - visible microspectrophotometry - ultraviolet-visible microspectrophotometry	Midlands
	Opinions and Interpretation		
	The evaluation of the significance of any matching features between the suspect and reference/control fibre to determine the likelihood of the suspect fibre coming from a specific source	Documented in house method EFS-MM-2057	Midlands

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
FIREARMS	Forensic Analysis (cont'd)		
Ammunition	Examination of discharged ammunition components to determine the number of guns used.	Documented In house methods using: - Comparison microscopy	Leeds
	Examination of cartridges to determine if ammunition has been loaded into a firearm	Documented In house methods using: - Microscopy - Comparison microscopy	Leeds
	Comparison of spent ammunition to suspect guns	Documented In house methods using: - Comparison microscopy	Leeds
Ammunition	Ammunition and component identification and legal classification	Documented In house method using: - Weighing - Length measurement - Use of known samples or standard reference data.	Leeds
Firearms	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	Leeds
Firearms	Firearm identification from class marks present on ammunition components	In house method using: - Comparison with known samples and use of reference databases.	Leeds
Firearms	Trigger pull measurement	In house method using: - Dead Weights	Leeds
Firearms	Determination of Kinetic Energy of projectiles	Documented In house method using: - Chronograph and balance	Leeds
Firearms	Accidental discharge testing	In house method using: - Impact and drop tests	Leeds

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)		
Firearms	Range of fire determination	In house method using: - Test firing with appropriate weapon/ammunition combination and target material to assess range of fire - Comparison of test patterns to exhibits.	Leeds
Firearms	Test Firing to assess the functionality of weapons and/or ammunition.	Documented In house method using: - Suspect or reference guns and ammunition	Leeds
Firearms	Test Firing to generate test samples of ammunition for comparison to exhibits	Documented In house method using: - Suspect or reference guns and ammunition	Leeds
Firearms	Test Firing to generate test samples of ammunition for inclusion in the NABIS database	Documented In house methods meeting the requirements of NABIS	Leeds
Articles suspected of being damaged by firearms	Presumptive Testing for the presence of Lead	Documented In house methods using: - Spot tests (Sodium Rhodizonate Bashinsky transfer method or Sodium Rhodizonate direct application method) for lead	Leeds
Electrical Shock Devices	Identification, classification and function test	Documented In house method using: - Visual examination, function testing and measurement of spark gap	Leeds

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
FLAMMABLE LIQUIDS (FIRE ACCELERANTS) Material Recovered from and associated with Fire Scenes	<u>Forensic Analysis</u> (cont'd)		
Common fire accelerant liquids	Examination and analysis of the following flammable liquids - Petrol - Paraffin - Turpentine substitute - White spirit - Diesel - Alcohols (methanol and ethanol)	Documented in house method EFS-CM-1712, EFS -CM-627 using: - TENAX - ATD-GCMS	Midlands
Debris and materials recovered from fires and suspected fire scenes	Recovery of potential fire accelerants	Documented in-house method EFS-CM-1747, EFS-CM-628a using: - TENAX - ATD-GCMS	Midlands
	Analysis and identification of common fire accelerants: - Petrol - Paraffin - Turpentine substitute - White Spirit - Diesel - Alcohols (methanol and ethanol	Documented in house method using: - TENAX - ATD-GCMS	Midlands
	Comparison of common fire accelerants	Documented in house method using - ATD-GCMS	Midlands

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
GLASS	Forensic Analysis (cont'd)		
	Search and Recovery of glass fragments from clothing and objects	Documented in house methods EFS-CM-325 and EFS-CM-333 using: - Visual examination microscopy - Appropriate recovery	Midlands
	Physical characterisation of glass	Documented in house method using: - UV Illumination (EFS-CM-400) - Refractive index determination by oil immersion (GRIM), (EFS-CM-334) - Low power and interference microscopy (EFS-CM-336) Re-annealing by tube furnace (EFS-CM-337)	Midlands
	Chemical characterisation of glass (Soda Lime Glass)	Documented in house method using - SEM-EDX (Elements: O, Na, Mg, Al, Si, K, Ca, Fe) (EFS-CM- 4053))	Midlands
	Comparison of recovered glass fragments to control samples recovered from crime scenes	Documented in house method (EFS-CM-668)	Midlands
	Opinion and Interpretation		
	The evaluation of the significance of matching and non-matching features between the suspect and reference/control samples		Midlands

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
GUN SHOT RESIDUE (GSR/FDR)	Forensic Analysis (cont'd)		
Any Material Including type of matrix Bore Wipes	Recovery of in-organic gunshot residues (primer)	Documented in house method (EFS-GSRM-634, EFS-GSRM-642, EFS-GSRM-645, EFS-GSRM-2021, and) using: - Carbon coated aluminium stubs	Midlands
Recovered Material	Identification of in-organic gunshot residues (primer)	Documented in house method using: - SEM/EDX (EFS-GSRM-1133, 2046 and 3858)	Midlands
	Opinions and Interpretation		
	Identification (type) and comparison of recovered GSR particles, including with a suspected source	Documented in EFS-GSRM-721	Midlands
LACHRYMATORS	Forensic Analysis		
	Recovery of lachrymators material	Documented in house methods (EFS-CM-3367) using: - Activation - Swabbing - Direct sampling	Midlands
	Identification of - Capsaicin (Pepper Spray) - Dihydrocapsaicin (Pepper Spray) - PAVA - CS - CN	Documented in house method (EFS-CM-3367) using: - GCMS	Midlands
	Legal Classification of devices (Firearms Act 1968) Analysis to determine the nature of the contents and whether the item fits the description of a Prohibited Weapon		Midlands

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	Enhancement of footwear marks recovered from scenes	Documented in house method (EFS-SM-517, EFS-CM-1332, EFS-CM-366) using: - Gel lifting - Digital capture photography	Midlands
Footwear	Production of test marks from suspect footwear	Documented in house method EFS-CM-406 using: - Powdering Methods - 3-D test impressions (sand) - Wet media (Black powder soap/swarfega mix)	Midlands
Footwear mark (physically or image)	Assessment, Comparison and evaluation of footwear with scene marks	Documented In-House method EFS-CM-406 using: - Visual examination - Low power microscopy	Midlands
	Opinions and Interpretation		
Footwear	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 methods EFS-CM-1332 using: - Personal experience - Database	Midlands
PAINTS	Forensic Analysis		
	Search and recovery of paint and paint fragments from clothing and objects for analysis	Documented in house method (EFS-CM-325) using: - Visual examination - Low power microscopy	Midlands
	Comparison of recovered and control samples	Documented in house method using: - FTIR (EFS-CM-4631) - Comparison Microscopy (EFS-CM-341)	Midlands

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
PAINTS (cont'd)	Forensic Analysis (cont'd) Opinions and Interpretation The evaluation of the significance of any matching and non-matching features between the suspect and reference/control paint samples	Documented in house method EFS-CM-2798	Midlands
OILS	Chemical/Physical Tests and Related Opinions and Interpretations	Documented In-House Methods:	
Hydrocarbon oils	Quantification of Coumarin present in Road fuel	Documented in-house method EFS-HCO-3466 using GC-MS	Heathrow
Hydrocarbon oils	Statutory Markers: Quinizarin, CI solvent red 19 CI Solvent red 24 CI Solvent yellow 124 CI Solvent blue 35 CI Solvent orange 2	EFS-HCO-2099 HPLC with diode array detection Preparation of standards and reference standards method	Heathrow
Hydrocarbon oils	Low level Statutory Markers: Quinizarin, CI Solvent red 19 CI Solvent red 24 CI Solvent yellow 124 CI Solvent blue 35 CI Solvent orange 2	EFS-HCO-2100 HPLC with diode array detection Preparation of standards and reference standards method	Heathrow
Hydrocarbon oils	Statutory Marker: Accutrace S10	EFS-HCO-2098 Deans Switch GC-MS	Heathrow
Hydrocarbon oils	Ultra-low Sulphur Concentration 15-1000mg/kg	EFS-HCO-2111 using Sulphur analysis by XRF	Heathrow
Hydrocarbon oils	Quantification of 2-sec-Butylphenol (Solvent) in Hydrocarbon Oil	Documented in-house method EFS-HCO-4051 using Dean Switch GCMS	Heathrow
Hydrocarbon oils	Detection and quantification of Accutrace Plus (nbutylphenyl ether)	EFS-HCO-4367 Determination of ACCUTRACE Plus (nbutylphenyl ether) in hydrocarbon oils 2D gas chromatography with mass-selective detector	Heathrow

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
OILS (cont'd)	Chemical/Physical Tests and Related Opinions and Interpretations	Documented In-House Methods:	Heathrow
Petroleum Products	Distillation at atmospheric pressure	ASTM D86	
NOXIOUS SUBSTANCES (Acids, Bases and Bleaches)	Forensic Analysis (cont'd) - Qualitative Identification of:Acids - Bases	Documented in house method EFS-CM-2910, EFS-CM-2970 and EFS-CF-2911 utilising: - Volumetric analysis using chemical indicators and spot plates	Midlands
WORKPLACE DRUG TESTING	Toxicology		
Human urine (Workplace Drug Testing)	Presumptive screening for the presence of the following drug(s) or drug group(s) (Cut off range): Opiates (300ng/ml), Oxycodone (100ng/ml), Buprenorphine (5ng/ml), Cocaine Metabolites (150ng/ml), THC metabolites (25ng/ml), Methaqualone (300ng/ml), Propoxyphene (300ng/ml), Amphetamine including Ecstasy groups (500ng/ml; 300ng/ml), Methadone (300ng/ml), Barbiturates (200ng/ml), Benzodiazepines (200ng/ml), Phencyclidine (25ng/ml), Ketamine (100ng/ml), 6-mono-acetylmorphine (10ng/ml), Tramadol (200ng/ml),	Documented In-House Method EFS-WDT-2168 using Beckman Coulter A5810 analyser	Heathrow
Human urine (Workplace Drug Testing)	Confirmation and Quantitation of (Cut-off; Concentration range): Buprenorphine (2ng/ml; 0.5-20ng/ml) Nor-buprenorphine (2ng/ml; 0.5-20ng/ml)	Documented In-house methods: EFS-WDT-3729 using GC-MS	 Heathrow

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
WORKPLACE DRUG TESTING (cont'd)	Toxicology (cont'd)		
Human urine (Workplace Drug Testing)	Confirmation and Quantitation of (Cut-off; ng/ml)[Concentration range; ng/ml]:		
	Barbiturates: Amobarbital (150ng/ml; 50-1000ng/ml) Phenobarbital (150ng/ml; 50-1000ng/ml) Pentobarbital (150ng/ml; 50-1000ng/ml) Secobarbital (150ng/ml; 50-1000ng/ml)	EFS-WDT-3729 using Solid phase extraction and GC-MS	Heathrow
	Amphetamines group Amphetamine (200)[50-1000] Methamphetamine(200)[50-1000] MDA(200)[50-1000] MDMA(200)[50-1000] MDEA(200)[50-1000] **Benzodiazepines** Diazepam(100)[50-1000] Nordiazepam(100)[50-1000] Oxazepam(100)[50-1000] Temazepam(100)[50-1000] Lorazepam(100)[50-1000] **Cocaine group:** Cocaine(100)[50-1000] Benzoylecgonine(100)[50-1000] **Cannabis:** 11-nor-9-carboxy-tetrahydrocannabinol (THC-COOH) (15)[5-500] **Gabapentenoids:** Gabapentin(1000)[50-2000] Pregabalin(250)[50-1000] **Ketamine** Ketamine(75)[5-500] Norketamine(75)[5-500] **Opiates & Opioids:** 6-Monoacetylmorphine(10)[5-500] Morphine(300)[50-2000] Codeine(300)[50-2000] Dihydrocodeine(300)[50-2000] Tramadol(100)[50-2000] Thebaine(10) (conf only) Methadone(250)[50-1000] EDDP(75)[50-1000]	EFS-WDT- 3505 Using LCMSMS	Heathrow

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
WORKPLACE DRUG TESTING (cont'd)	Toxicology (cont'd)		
Human urine (Workplace Drug Testing) (cont'd)	Confirmation and Quantitation of (Cut-off; ng/ml)[Concentration range; ng/ml]: (cont'd) Propoxyphene(300)[50-1000] Norpropoxyphene(300)[50-1000]	EFS-WDT- 3505 Using LCMSMS	Heathrow
Neat oral fluid collected using the OraTrust device (Workplace Drug testing)	Screening of (Cut-off; ng/ml): Amphetamines(40 ng/ml) Benzodiazepines (10 ng/ml) Cannabis (10 ng/ml) Cocaine metabolites (30 ng/ml) Methadone (50 ng/ml) Opiates (40 ng/ml) 6-mono-acetylmorphine (4 ng/mL)	EFS-WDT-2168 using Beckman Coulter A5810 analyser	Heathrow
Neat oral fluid and oral fluid collected using the OraTrust device	Confirmation and Quantitation of analysis of drugs of abuse (Cut-off; ng/ml)[Concentration range; ng/ml]: **Amphetamines group** Amphetamine (15) [9-600] Methamphetamine (15) [9-600] MDA (15) [9-600] MDMA (15) [9-600] MDEA (15) [9-600] **Benzodiazepines** Temazepam (3) [1.5-90] Diazepam (3) [1.2-90] Nordiazepam (3) [1.5-90] Oxazepam (3) [1.5-90] Lorazepam (3) [1.5-90]	EFS-WDT- 3505 Using LCMSMS	Heathrow

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
WORKPLACE DRUG TESTING (cont'd)	Toxicology (cont'd)		
Neat oral fluid and oral fluid collected using the OraTrust device (cont'd)	Confirmation and Quantitation of analysis of drugs of abuse (Cut-off; ng/ml)[Concentration range; ng/ml]: (cont'd) **Cocaine group:** Cocaine (8) [4.5-600] Benzoylecgonine (8) [4.5-600] AEME (Anhydroecgonine Methyl Ester) (8) [4.5-600] **Cannabis:** Delta 9 THC (2) [0.9-150] Delta 8 THC (2) [0.9-150] **Gabapentenoids:** Gabapentin (15) [confirmation only] Pregabalin (15) [confirmation only] **Ketamine:** Ketamine (15) [9-600] **Opiates & Opioids:** 6-Monoacethylmorphine (2) [0.9-150] Buprenorphine (1) (0.45-30) Codeine (15) [9-600] Dihydrocodeine (15) [9-600] EDDP (20) [9-600] Methadone (20) [9-600] Morphine (15) [9-600] Thebaine (15) [9-60] Tramadol (15) [9-600] **Other Drugs:** Propoxyphene (5) [1.5-150]	EFS-WDT- 3505 Using LCMSMS	Heathrow

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
BOVINE, CAPRINE, OVINE TESTING	Medical/Veterinary Testing		
Bovine, Ovine and Caprine brainstem	Detection of abnormal prion protein PrP^{res}	EU Approved method by immunoassay using the IDEXX HerdChek BSE-Scrapie Antigen Test Kit following the ultra-short protocol	Birchwood Park
END			