

# Schedule of Accreditation



Organisation Name	Forensic Science Ireland
Trading As	
INAB Reg No	137T
Contact Name	Fiona Thornton
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Accreditation Standard	EN ISO/IEC 17025 T
Standard Version	2017
Date of award of accreditation	07/04/2003
Scope Classification	Forensic testing
Services available to the public <sup>1</sup>	

<sup>1</sup> Refer to document on interpreting INAB Scopes of Accreditation

Sites from which accredited services are delivered		
(the detail of the accredited services delivered at each site are on the Scope of Accreditation)		
	Name	Address
1	Backweston Science Campus	Stacumny Lane, Celbridge, Kildare, Ireland
2	Ratra House	Ratra House, Phoenix Park, Dublin 8, Dublin
3	Forensic Science Ireland	Garda Headquarters, Phoenix Park, Dublin 8, Dublin, Ireland

# Scope of Accreditation

## Backweston Science Campus

### Forensic Testing

Category: A

Forensic field - Tests	Parameter	Matrix	Equipment/technique	Range of measurement	Std Ref/SOP
1201 Controlled substances - .02 Chemical qualitative	Detection of non-Cannabis controlled drugs.	LSD	Thin Layer Chromatography, Gas Chromatography with Mass Spectrometry	Product limit of identification: LSD 16µg	FSIDTP607, FSIDTP406, FSIDTP401, FSIDTP403
		Narcotic Analgesics and Stimulants. Samples submitted as wraps or packages containing: powders, illicit tablets, samples of liquid, pharmaceutical preparations	Thin Layer Chromatography	Product limit of identification:  Narcotic Analgesics Diamorphine = 1% Dihydrocodeine = 1% Methadone = 2% Morphine = 1% Oxycodone = 1%  Stimulants Amphetamines = 1% Methylamphetamine = 1%	FSIDTP401 FSIDTP403
		Narcotic Analgesics and Stimulants. Samples submitted as wraps or packages containing: powders, illicit tablets, samples of liquid, pharmaceutical preparations	Gas Chromatography with Mass Spectrometry	Product limit of identification:  Narcotic Analgesics Diamorphine = 1% Dihydrocodeine = 1% Hydrocodone = 1% Methadone = 2% Morphine = 1% Oxycodone = 1%	FSIDTP401 FSIDTP403

				Stimulants Amphetamines = 1% Methylamphetamine = 1%	
		Samples submitted as wraps or packages containing: powders, illicit tablets, samples of liquid, pharmaceutical preparations and edibles **1234	Gas Chromatography with Mass Spectrometry	Product limit of identification:  1-methyl-4(phemylmethyl)piperazine (MBZP) = 0.75% Phenazepam = 2% Pyrrolidinovaler - ophenane (PVP) =1% Trifluoromethylphenylpiperazine (TFMPP) = 1% 4-methylmethcathinone (4-Mephedrone) =3% Methylethcathinone (MEC) = 1% Zopiclone = 4% d9 THC = 0.1% Δ9-Tetrahydrocannabinol = 0.1%	FSIDTP301 FSIDTP302 FSIAP054 FSIDTP404 FSIDTP601 FSIDTS501
	Detection of non-Cannabis controlled drugs.	Ecstasy type compounds, Benzodiazepines and miscellaneous compounds . Samples submitted as wraps or packages containing: powders, illicit tablets, samples of liquid, pharmaceutical preparations	Gas Chromatography with Mass Spectrometry	Product limit of identification:  Ecstasy type compounds MDMA = 1% MDEA = 1%  Benzodiazepines: Alprazolam = 3% Diazepam = 1% Flunitrazepam = 1% Flurazepam = 2% Nitrazepam = 2% Temazepam = 1% Miscellaneous Cocaine = 0.5% Ketamine = 1%	FSIDTP401 FSIDTP403
1202 Toxicology - .01 Alcohol quantification	Alcohol quantification	Alcohol (Ethanol) quantitation in beverage samples	GC-FID (Gas Chromatography with flame ionization detector)	1-100%	FSIDTP201, FSIDTP202, FSIDTP205, FSIDTP207, FSIDTP208, FSIDTP211, FSIDTP212
		Blood Alcohol	GC-FID (Gas Chromatography with flame ionization detector)	5 to 400mg%	FSIDTP201, FSIDTP202,

					FSIDTP205, FSIDTP207, FSIDTP208, FSIDTP211, FSIDTP212
	Alcohol Technical Defence	Reporting Ethanol results from biological samples	UKIAFT guidelines v 2.1 Excel Spreadsheets: "Alcohol Back-Calculator" & "ATD Calculator"	As recommended by UKIAFT. See validation report attached	FSIDTP205
1202 Toxicology - .02 Alcohol detection	Alcohol identification	Alcohol (Ethanol) identification in beverage samples	GC-FID (Gas Chromatography with flame ionization detector)	n/a	FSIDTP215
		Blood alcohol	GC-FID (Gas Chromatography with flame ionization detector)	n/a	FSIDTP215
1202 Toxicology - .03 Drug identification	Screen and confirmation of Drugs of Abuse in Urine	Urine	LCMSMS	n/a	FSIDTP254, FSIDTP255, FSIDTP256, FSIDTP257, FSIDTS253
1207 Fingerprinting - .01 Ten print procedure	Fingerprints*	Fingerprint donors	AFIS System, Digital Camera, Magnifier	n/a	FSICTP500*
1207 Fingerprinting - .02 Latent print identification		Surfaces suitable for retaining friction ridge detail	Digital Camera	n/a	FSICTP501*
1207 Fingerprinting - .03 Ninhydrin procedure	Fingerprints		Ninhydrin Humidity Oven, Glue Fuming, Glue Cabinet, By40 dye, Fingerprint powders	n/a	FSICTP503*
1207 Fingerprinting - .04 Superglue procedure			Ninhydrin Humidity Oven, Glue Fuming, Glue Cabinet, By40 dye, Fingerprint powders	n/a	FSICTP504
			Ninhydrin Humidity Oven, Glue Fuming, Glue Cabinet, By40 dye, Fingerprint powders	n/a	FSICTP504
1207 Fingerprinting - .05 Dye procedure			Acid Dye Procedure	n/a	FSICTP511*
			Ninhydrin Humidity Oven,	n/a	FSICTP505

			Glue Fuming, Glue Cabinet, By40 dye, Fingerprint powders		
			Ninhydrin Humidity Oven, Glue Fuming, Glue Cabinet, By40 dye, Fingerprint powders	n/a	FSICTP505
			Solvent Black 3 Procedure	n/a	FSICTP528
1207 Fingerprinting - .06 Fingerprint powder procedure			Ninhydrin Humidity Oven, Glue Fuming, Glue Cabinet, By40 dye, Fingerprint powders	n/a	FSICTP506
			Ninhydrin Humidity Oven, Glue Fuming, Glue Cabinet, By40 dye, Fingerprint powders	n/a	FSICTP506
			Powder Suspension Procedure	n/a	FSICTP530
1207 Fingerprinting - .07 High intensity light procedure			High Intensity Lights	n/a	FSICTP507
1207 Fingerprinting - .08 Image capture procedure		Fingerprint donors	Reflected UV Imaging of Superglue Fumed Evidence Fingermark Visualisation and Imaging with IR Fluorescent Powders and IR Light Sources	n/a	FSICTP518* FSICTP519*
			Reflected UV Imaging of Superglue Fumed Evidence Fingermark Visualisation and Imaging with IR Fluorescent Powders and IR Light Sources	n/a	FSICTP518* FSICTP519*
		Surfaces suitable for retaining friction ridge detail	High Intensity Lights, Digital Camera and scanner	n/a	FSICTP508*
			High Intensity Lights, Digital Camera and scanner	n/a	FSICTP508
1207 Fingerprinting - .09 Thermal coating removal			Acetone Thermal Coating Removal	n/a	FSICTP509*
			Acetone Thermal Coating Removal	n/a	FSICTP509

Forensic Testing

Category: A

Forensic field - Tests	Parameter	Matrix	Equipment/technique	Range of measurement	Std Ref/SOP	
1201 Controlled substances - .02 Chemical qualitative	Detection of non-Cannabis controlled drugs.	Narcotic Analgesics and Stimulants. Samples submitted as wraps or packages containing: powders, illicit tablets, samples of liquid, pharmaceutical preparations	Thin Layer Chromatography	Product limit of identification:  Narcotic Analgesics Diamorphine = 1% Dihydrocodeine = 1% Methadone = 2% Morphine = 1% Oxycodone = 1% Stimulants Amphetamines = 1% Methylamphetamine = 1%	FSIDTP406	
	Detection of non-Cannabis controlled drugs.	Ecstasy type compounds, Benzodiazepines and miscellaneous compounds . Samples submitted as wraps or packages containing: powders, illicit tablets, samples of liquid, pharmaceutical preparations	Gas Chromatography with Mass Spectrometry	Product limit of identification:  Ecstasy type compounds MDMA = 1% MDEA = 1%  Benzodiazepines: Alprazolam = 3% Diazepam = 1% Flunitrazepam = 1% Flurazepam = 2% Nitrazepam = 2% Temazepam = 1% Miscellaneous Cocaine = 0.5% Ketamine = 1%	FSIDTP401 FSIDTP403	
	LSD		Thin Layer Chromatography, Gas Chromatography with Mass Spectrometry	Product limit of identification: LSD 16µg	FSIDTP607, FSIDTP406, FSIDTP401, FSIDTP403	
	Narcotic Analgesics and Stimulants. Samples submitted as wraps or		Gas Chromatography with Mass Spectrometry	Product limit of identification:  Narcotic Analgesics Diamorphine = 1%	FSIDTP401 FSIDTP403	

		packages containing: powders, illicit tablets, samples of liquid, pharmaceutical preparations		Dihydrocodeine = 1% Hydrocodone = 1% Methadone = 2% Morphine = 1% Oxycodone = 1% Stimulants Amphetamines = 1% Methylamphetamine = 1%		
		Samples submitted as wraps or packages containing: powders, illicit tablets, samples of liquid, pharmaceutical preparations and edibles **1234	Gas Chromatography with Mass Spectrometry	Product limit of identification: 1-methyl-4(phenylmethyl)piperazine (MBZP) = 0.75% Phenazepam = 2% Pyrrolidinovaler - ophenane (PVP) = 1% Trifluoromethylphenylpiperazine (TFMPP) = 1% 4-methylmethcathinone (4-Mephedrone) = 3% Methylethcathinone (MEC) = 1% Zopiclone = 4% Δ9-Tetrahydrocannabinol = 0.1%	FSIDTP301 FSIDTP302 FSIAP054 FSIDTP404 FSIDTP601 FSIDTS501	
	Qualitative analysis of Cannabis and Cannabis products	Bulk Cannabis Resin Herbal Material Cannabis Plants	Thin Layer Chromatography	n/a	FSIDTP001, FSIDTP406	
1201 Controlled substances - .04 Botanical comparison			Microscopy	n/a	FSIDTP002	
1201 Controlled substances - .05 Identification of controlled substances	Detection of non-Cannabis controlled drugs.	Narcotic Analgesics and Stimulants. Samples submitted as wraps or packages containing: powders, illicit tablets, samples of liquid, pharmaceutical preparations	Visual Inspection	n/a	FSIDTP601	
1203 Chemistry - .01 Comparison	Infra red identification/comparison of	Polymers (including paint, plastics and	Fourier Transform Infra Red (FT-IR) Analysis	n/a	FSICTP155	

examinations (identification, qualitative, quantative)	fibres	textile fibres). Fibre identification and comparison				
	Microscopic comparison of fibres	Polymers (including paint, plastics and textile fibres). Fibre identification and comparison	Microscopic examination	n/a	FSICTP153	
	Micro-spectrophotometry of fibre samples	Polymers (including paint, plastics and textile fibres). Fibre identification and comparison	Micro- spectrophotometry	n/a	FSICTP154	
	Opinions and Interpretation (inclusive of Evaluative Reporting) for Chemistry Cases *	Glass, fibre, footwear and Firearm residue (FAR) cases	Pre Case Assessment, Examination strategy, Assignment of transfer/ persistence/recovery probabilities, Likelihood ratio	n/a	FSIAP109* FSICTP002* FSICTP013* FSICTS151* FSICTP162* FSICTP051* FSICTP052* FSICTP250* FSICTP255*	
		Paint cases	Pre Case Assessment, Examination strategy, Assignment of transfer/ persistence/recovery probabilities, Likelihood ratio	n/a *	FSIAP109* FSICTP206* FSICTP207* FSICTS209*	
	Paint comparison	Paint	Fourier Transform Infra Red (FT-IR) Analysis	n/a	FSICTP205	
			Microscopic comparison of paints	n/a	FSICTP204	
			Paint recovery and preparation	n/a	FSICTP201- FSICTP203	
	Polarising microscopy of fibres	Polymers (including paint, plastics and textile fibres). Fibre identification and comparison	Polarised Light Microscopy (PLM)	n/a	FSICTP156	
	Recovery and preparation of fibres for microscopic examination	Polymers (including paint, plastics and textile fibres).	Fibre recovery and preparation	n/a	FSICTP150, FSICTP151, FSICTP152	



		Fibre identification and comparison				
	Recovery of glass fragments	Glass fragments recovered from items compared with control/reference glass samples	Visual	n/a	FSICTP004	
	Refractive Index Measurements		Refractive Index Measurements	n/a	FSICTP006, FSICTP005 and FSICTP008	
	Surface characteristics using interference microscopy		Microscopy	n/a	FSICTP009	
	Thermal history by annealing and re-measuring refractive index		Microscopy	n/a	FSICTP006 and FSICTP007	
	UV-Visible Micro-spectrophotometry		Polymers (including paint, plastics and textile fibres). Fibre identification and comparison	UV-Visible Micro-spectrophotometry	n/a	FSICTP160, FSICTP161
1203 Chemistry - .02 Detection of fire accelerants and explosives	Hydrocarbon fire accelerants analysis	Fire debris from crime scenes	Automated Thermal Desorption_Gas Chromatography_Mass Spectrometry (ATD GC-MS)	Limit of detection for both is 0.5ul accelerants	FSICTP102, FSICTP104 and FSICTP105	
		Liquids from crime scenes	Gas chromatography - flame ionization detector - GC FID	Typical analysis is of neat liquids	FSICTP103, FSICTP104 and FSICTP105	
1203 Chemistry - .04 Offensive chemicals	Offensive sprays - Identification of Chlorobenzylidenemalononitrile (CS), Capasaicin and Dihydrocapasaicin in offensive sprays	Offensive sprays	Gas Chromatography with Mass Spectrometry - GC MS	Product limit of detection for CS = 0.4mg (0.0004g) Product limit of detection for Capasaicin and Dihydrocapasaicin = 0.7mg (0.0007g) in each case	FSICTP350 and FSICTP352	
1204 Biology - .01 DNA analysis	*Mixture Interpretation using STRmix probabilistic genotyping software  Related Opinions and Interpretation: Interpretation of DNA profiles generated internally from crime	Crime stain samples	STRmix V2.5.11	n/a	FSICTP400	

stains (single source/major minor mixtures/complex mixtures) and reference samples. Statistical analysis and comparison of DNA profiles generated from crime stains with compatible reference DNA profiles (internally generated or from other accredited laboratories).					
Analysis of NGM Select profiles using Genemapper ID X software  Related Opinions and Interpretation: Comparison, statistical analysis and interpretation of DNA profiles from crime stains with reference DNA profiles *	DNA profiles	Genemapper ID X software	n/a	FSIBTP048* FSIBTS030*	
Automated processing of buccal FTA samples with the Hamilton STARlet	Reference FTA samples	Hamilton STARlet liquid handling system	n/a	FSIBTP587 and FSIBTP049	
Bone Extraction and Purification of DNA from bones and teeth	Bone and tooth samples	Organic Method, EZ1 instrument	Extract DNA > 0.001ng/ul	FSIBTP057, FSIBTP570, FSIBTP571	
DNA Amplification: Use of NGM Select to generate DNA profiles and Related Opinions and Interpretation: Comparison, statistical analysis and interpretation of DNA profiles from crime stains with reference DNA profiles	Crimestain and reference material	AmpFLSTR NGM Select kit, Thermocycler	n/a	FSIBTP044 and FSIBTP051	
DNA Amplification: HDplex	Crime stain and reference samples	Investigator HDplex Kit	n/a	FSIBTP580 FSIBTP578	
DNA Extraction and Purification (manual)	Various human body fluids (blood, semen, saliva), hair, epithelial cells and tissue samples and samples associated with crime scenes	Lysis and automated purification of DNA using the EZ1 Advanced XL and the EZ1 Investigator kit	n/a	FSIBTP057 FSIBTP005	
DNA quantification	Crimestain and	Promega PowerQuant	n/a	FSIBTP574	

		reference material - automated and manual quantification				
	Genetic characterisation of NGMSelect profiles using 3500xl genetic analyser  Related Opinions and Interpretation: Comparison, statistical analysis and interpretation of DNA profiles from crime stains with reference DNA profiles *	Crimestain and reference material	3500xl genetic analyser	n/a	FSIBTP052* and FSIBTP053*	
	Lysis, automated DNA purification, quantification, PCR and sequencing set up using Robotic 96 well automated platform.	Various human body fluid (blood, semen, saliva), hair, epithelial cells and tissue samples and samples associated with crime scenes	Robotic liquid handler platform  DNAIQ extraction chemistry, PowerQuant	n/a	FSIBTP573 FSIBTP061	
	Opinions and Interpretation (inclusive of Evaluative Reporting) for Sexual Assault Cases *	Sexual assault cases	Pre Case Assessment (LIMS) Examination strategy Assignment of transfer/persistence/recovery probabilities. Likelihood ratio	n/a	FSIBTP579* FSIBTP575* FSIBTP576* FSIBTP583* FSIAP109*	
	Reference DNA Sample Processing: FTA cards	Reference FTA samples	NGM Select Express Kit, Thermocycler	n/a	FSIBTP044	
	Robotic 96 well automated platform for the processing of buccal FTA samples		Robotic 96 well automated platform	n/a	FSIBTP044 and FSIBTP049	
	YSTR Related Opinions and Interpretation: Comparison, statistical analysis and interpretation of Y23 DNA profiles from crime stains with reference DNA profiles	Crime stain and reference samples	Promega Power Plex Y23 STR Kit, ARKTIC Thermocycler	n/a	FSIBTP080* FSIBTS038*	
1204 Biology - .02 Blood pattern analysis	Blood Pattern Analysis:  Related Opinions and	Items of clothing and items from the scene	Visual Inspection	n/a	FSIBTP154*, FSIBTP156* and FSIBTP157*	

	Interpretation (inclusive of Evaluative Reporting): Identification, assessment and interpretation of blood patterns (BPA) on clothing and other items examined at the laboratory					
1204 Biology - .04 Body fluid identification	Detection of Acid Phosphatase (AP)	Items of clothing and swabs relating to Sexual Assault cases	Brentamine Test	n/a	FSIBTP100	
	Detection of Blood using KM Solution	Items of clothing and items from the scene	Kastle Meyer Test	n/a	FSIBTP150	
	Detection of Human Blood		ABA card Hema trace test	n/a	FSIBTP159	
	Extraction and detection of salivary $\alpha$ -amylase using RSID saliva membrane test	Items of clothing and swabs relating to Sexual Assault cases	RSID Saliva Membrane Test	n/a	FSIBTP111	
	Extraction and detection of seminal fluid using RSID semen membrane test		RSID Semen Membrane test	n/a	FSIBTP110	
	Extraction and detection of urine using RSID Urine membrane test		RSID Urine Membrane Test	n/a	FSIBTP114	
	Extraction of spermatazoa using whole swab method		Whole swab extraction	n/a	FSIBTP109	
	Identification of human spermatazoa		Microscopy	n/a	FSIBTP101 - FSIBTP102	
	The Phadebas® Forensic Press test for the detection of salivary $\alpha$ – amylase.	Crimestain samples	Phadebas® Forensic Press test paper by Magle	n/a	FSIBTP211, FSIBTP212	
1204 Biology - .05 Damage to clothing	Identification/assessment of damage to clothing and fabric	Items of clothing and fabric	Visual examinations, low power microscopy and dimensional measurement	n/a	FSIBTP200, FSIBTP201*	
	Identification/assessment of damage to clothing and fabric: Opinion Evidence	clothing and fabric	Visual examinations, low power microscopy and dimensional measurement *	N/A *	FSIBTP200, FSIBTP201*	
1205 Firearms,	Analysis	Samples of Black	FTIR (ATR and	N/a	FSICTP310	

ammunition & explosives - .01 Firearm residue detection and analysis	of Black Powder	Powder (loose powder, grains, other combinations of Potassium Nitrate and/or Charcoal and/or Sulfur)	transmission modes), Ion Chromatography, GCMS, Microscopy, SEM/EDX.		FSICTP311 FSICTP312 FSICTP305 FSICTP306 FSICTP308	
	Detection and identification of Firearm Residue (FAR)	Fire and explosions (including firearm discharge residues)	Scanning Electron Microscopy (SEM)	LOD 0.5µm	FSICTP250- FSICTP252, FSICTP255- FSICTP257 and FSICTP259	
	Explosives - Identification of bulk material for the following compounds: Nitrocellulose, PETN, RDX and Nitroxoglycerine in suspect materials	Suspect devices from crime scenes	GC-MS FT-IR GC-ECD	Ranges: LOD Nitroglycerine - 0.08mg (LOD in Propellant Powder) Nitrocellulose - 0.1mg (LOD in Propellant Powder) PETN - 0.1mg (LOD in typical sample of Semetex) RDX - 0.05mg (LOD in typical sample of Semetex)	FSICTP300 - FSICTP308 (incl)	
	Identification of inorganic oxidisers - Potassium perchlorate, Potassium chlorate, Barium Nitrate, Barium Chlorate, Barium Perchlorate, Sodium Nitrate, Sodium Chlorate, Sodium Perchlorate, Strontium Nitrate, Ammonium Nitrate, Sodium Nitrite, **	Components of pyrotechnic mixtures e.g. fireworks, bangers, sparklers etc	Fourier Transform Infra Red (FTIR) Analysis, Scanning Electron Microscopy/Energy Dispersive X-ray (SEM/EDX), Ion Chromatography (IC))	LOD as determined by IC: Potassium - 0.1ppm Perchlorate - 0.05ppm Chlorate - 0.04ppm Barium - 0.4ppm Nitrate - 0.02ppm Sodium - 0.02ppm Strontium - 0.4ppm Ammonium - 0.05ppm Nitrite - 0.02ppm	FSIAP054, FSICTP400, FSICTP401, FSICTP402, FSICTS400, FSICTS401, FSICTP313	
1206 Questioned documents - .01 Handwriting examination and comparison	Handwriting	Documents	Spectral comparison in the visual and extravisual range (VSC), Stereo Microscopes, Digital Camera	n/a	FSICTP554*	
1206 Questioned documents - .02 Signature examination and comparison	Signatures		Spectral comparison in the visual and extravisual range (VSC), Stereo Microscopes, Digital	n/a	FSICTP555*	

			Camera			
1206 Questioned documents - .03 Detection and enhancement of Indented Impressions	Indented Impressions *		Spectral comparison in the visual and extravisual range (VSC), Stereo Microscopes, Digital Camera, Electrostatic detection of Indented writings (ESDA)	n/a	FSICTP552 FSICTP551	
1206 Questioned documents - .04 Examination of documents for evidence of alteration	Alteration *	Cards, postcards, documents	Spectral comparison in the visual and extravisual range (VSC), Stereo Microscopes, Digital Camera, Electrostatic detection of Indented writings (ESDA)	n/a	FSICTP551 FSICTP552	
1206 Questioned documents - .05 Examination of security documents for authenticity	Authenticity *		Spectral comparison in the visual and extravisual range (VSC), Stereo Microscopes, Digital Camera	n/a	FSICTP553	
1207 Fingerprinting - .01 Ten print procedure	Fingerprints	Fingerprint donors	AFIS System, Digital Camera, Magnifier	n/a	FSICTP500 *	
1207 Fingerprinting - .02 Latent print identification		Surfaces suitable for retaining friction ridge detail	Digital Camera	n/a	FSICTP501*	
1207 Fingerprinting - .04 Superglue procedure			Ninhydrin Humidity Oven, Glue Fuming, Glue Cabinet, By40 dye, Fingerprint powders	n/a	FSICTP504	
1207 Fingerprinting - .05 Dye procedure			Acid Dye Procedure	n/a	FSICTP511	
			Ninhydrin Humidity Oven, Glue Fuming, Glue Cabinet, By40 dye, Fingerprint powders	n/a	FSICTP505	
			Solvent Black 3 Procedure	n/a	FSICTP528	

1207 Fingerprinting - .06 Fingerprint powder procedure			Ninhydrin Humidity Oven, Glue Fuming, Glue Cabinet, By40 dye, Fingerprint powders	n/a	FSICTP506	
			Powder Suspension Procedure	n/a	FSICTP530	
1207 Fingerprinting - .07 High intensity light procedure			High Intensity Lights	n/a	FSICTP507	
1207 Fingerprinting - .08 Image capture procedure		Fingerprint donors	Reflected UV Imaging of Superglue Fumed Evidence Fingermark Visualisation and Imaging with IR Fluorescent Powders and IR Light Sources	n/a	FSICTP518* FSICTP519*	
		Surfaces suitable for retaining friction ridge detail	High Intensity Lights, Digital Camera and scanner (DCS-5)	n/a	FSICTP508	
1207 Fingerprinting - .09 Thermal coating removal			Acetone Thermal Coating Removal	n/a	FSICTP509	
1210 Marks & impressions - .01 Footwear	Enhancement of footwear marks using physical and chemical means	Footwear and footwear impressions from suspected crime scenes	Visual comparison	n/a	FSICTP051 - FSICTP061 (incl)	
	Identification and comparison of footwear and footwear marks		Visual comparison	n/a	FSICTP051 - FSICTP061 (incl)	
	Use of Trasoscan Lucia Forensic v7.4 for scanning gel lifts and other items in footwear cases	Impressions on flat surfaces, such as gel lifts, papers etc, and also for images submitted on discs (which will/may be limited by the quality of the original photograph)	Visual comparison	n/a	FSICTP066	

*\* The laboratory is accredited to provide opinions and interpretations for the tests identified*

*\*\*The laboratory is accredited for a flexible scope of testing in the following categories*

*Note 1 Range of measurement may be extended*

*Note 2 Parameters may be added*

*Note 3 Test matrices may be added*

*Note 4 Equipment/kit*

*For further details please refer to the laboratories 'Master list of Flexible scope changes', available directly from the laboratory.*



Forensic field - Tests	Parameter	Matrix	Equipment/technique	Range of measurement	Std Ref/SOP
1201 Controlled substances - .02 Chemical qualitative	Detection of non-Cannabis controlled drugs.	LSD	Thin Layer Chromatography, Gas Chromatography with Mass Spectrometry	Product limit of identification: LSD 16µg	FSIDTP607, FSIDTP406, FSIDTP401, FSIDTP403
		Narcotic Analgesics and Stimulants. Samples submitted as wraps or packages containing: powders, illicit tablets, samples of liquid, pharmaceutical preparations	Thin Layer Chromatography	Product limit of identification: Narcotic Analgesics Diamorphine 1% Dihydrocodeine 1% Hydrocodone 1% Methadone 2% Morphine 1% Oxycodone 1% Stimulants Amphetamines 1% Methylamphetamine 1%	FSIDTP406
	Detection of non-Cannabis controlled drugs.	Ecstasy type compounds, Benzodiazepines and miscellaneous compounds . Samples submitted as wraps or packages containing: powders, illicit tablets, samples of liquid, pharmaceutical preparations	Gas Chromatography with Mass Spectrometry	Product limit of identification:  Ecstasy type compounds MDMA = 1% MDEA = 1%  Benzodiazepines: Alprazolam = 3% Diazepam = 1% Flunitrazepam = 1% Flurazepam = 2% Nitrazepam = 2% Temazepam = 1% Miscellaneous Cocaine = 0.5% Ketamine = 1%	FSIDTP401 FSIDTP403
	Narcotic Analgesics and Stimulants. Samples submitted as wraps or packages containing: powders, illicit tablets, samples of liquid, pharmaceutical preparations	Gas Chromatography with Mass Spectrometry	Product limit of identification:  Narcotic Analgesics Diamorphine = 1% Dihydrocodeine = 1% Methadone = 2% Morphine = 1% Oxycodone = 1% Stimulants Amphetamines = 1% Methylamphetamine = 1%	FSIDTP401 FSIDTP403	

		Samples submitted as wraps or packages containing: powders, illicit tablets, samples of liquid, pharmaceutical preparations and edibles **1234	Gas Chromatography with Mass Spectrometry	Product limit of identification: 1-methyl-4(phemylmethyl)piperazine (MBZP) = 0.75% Phenazepam = 2% Pyrrolidinovaler - ophenane (PVP) =1% Trifluoromethylphenylpiperazine (TFMPP) = 1% 4-methylmethcathinone (4-Mephedrone) =3% Methylethcathinone (MEC) = 1% Zopiclone = 4% $\Delta$ 9-Tetrahydrocannabinol = 0.1%	FSIDTP301 FSIDTP302 FSIAP054 FSIDTP404 FSIDTP601 FSIDTS501
	Qualitative analysis of Cannabis and Cannabis products	Bulk Cannabis Resin Herbal Material Cannabis Plants	Thin Layer Chromatography	n/a	FSIDTP001, FSIDTP406
1201 Controlled substances - .04 Botanical comparison			Microscopy	n/a	FSIDTP002
1201 Controlled substances - .05 Identification of controlled substances	Detection of non-Cannabis controlled drugs.	Narcotic Analgesics and Stimulants. Samples submitted as wraps or packages containing: powders, illicit tablets, samples of liquid, pharmaceutical preparations	Visual Inspection	n/a	FSIDTP601