

# Accreditation Certificate

## Medical Bureau Of Road Safety

Health Sciences Centre, UCD, Belfield, Dublin, Dublin

### Testing Laboratory

Registration number: 30T

is accredited by the Irish National Accreditation Board (INAB) to undertake testing as detailed in the scope bearing the registration number detailed above, in conformity with ISO/IEC 17025:2017

*“General requirements for the competence of testing and calibration laboratories”  
(This certificate must be read in conjunction with the publicly available scope of accreditation)*

---

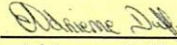
Date of award of accreditation: 13/09/2002


Date of last renewal of accreditation: 31/07/2017

Expiry date of this certificate of accreditation: 31/07/2022

---

This accreditation shall remain in force until further notice subject to continuing conformity with the above standard, applicable EA/ILAC requirements and any further requirements specified by the Irish National Accreditation Board.

Manager:   
Dr Adrienne Duff

Chairperson: :   
Ms Ita Kinahan

Organisations are subject to annual surveillance and are re-assessed every five years. The renewal date on this certificate confirms the latest date of renewal of accreditation. To confirm the validity of this certificate, please contact the Irish National Accreditation Board.

INAB is a signatory of the European co-operation for Accreditation (EA) Multilateral Agreement (MLA) and the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement for Testing.

# Schedule of Accreditation



Organisation Name	Medical Bureau Of Road Safety
Trading As	
INAB Reg No	30T
Contact Name	Helen Kearns
Address	Health Sciences Centre, UCD, Belfield, Dublin, Dublin, D4
Contact Phone No	01-7165555
Email	helen.kearns@ucd.ie
Website	
Accreditation Standard	ISO 17025 T
Date Initially Awarded	13/09/2002
Scope Classification	Forensic testing
Services available to the public <sup>1</sup>	No

<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 Head Office	Health Sciences Centre, UCD, Belfield, Dublin, D4

# Scope of Accreditation

## Head Office

### Forensic Testing

Category: A

Forensic field - Tests	Parameter	Matrix	Equipment/technique	Range of measurement	Std Ref/SOP
1202 Toxicology - .01 Alcohol quantification	Ethanol	Blood and Urine	Head Space GC	0.01% - 0.6%w/v	Alcohol Test Method
1202 Toxicology - .02 Alcohol detection		Gas	Certified Dry Gas, Simulator	5-25µg/100ml	Draeger 7510 PBT - Test method
1202 Toxicology - .03 Drug identification	11-nor-9-carboxy-Δ9-tetrahydrocannabinol	Urine	Dilution/LCMSMS	Cut-off 20ng/ml	TOX 01 Reception and Identification of specimens for Toxicological Analysis; TOX02 Specimen Preparation for Blood and Urine Screening by LCMSMS; TOX 03 Analysis and Processing for Blood and Urine Screening by LCMSMS; TOX 04 Analysis and Processing THCA Fraction Screening by LCMSMS *1,2,3,4
	6-Acetylmorphine		Dilution/LCMSMS		Cut-off 10ng/ml

				LCMSMS *1,2,3,4
6-Acetylmorphine and 11-nor-9-carboxy-Δ9-tetrahydrocannabinol	Blood	SPE/LCMSMS	Cut-off 5ng/ml	TOX 01 Reception and Identification of specimens for Toxicological Analysis; TOX02 Specimen Preparation for Blood and Urine Screening by LCMSMS; TOX 03 Analysis and Processing for Blood and Urine Screening by LCMSMS *1,2,3,4
7-Aminoclonazepam, 7-Aminoflunitrazepam, 7-Aminonitrazepam, Alpha-Hydroxyalprazolam, Alprazolam, AM-2201, Benzylpiperazine, Chlordiazepoxide, Clobazam, Clonazepam, Cocaethylene, Cocaine, Codeine, Desalkylflurazepam, Dihydrocodeine, Diphenhydramine, EDDP, Estazolam, Fenfluramine, Fentanyl, Flunitrazepam, Fluoxetine, Flurazepam, Hydrocodone, HU-210, JWH-018, Lorazepam, Lormetazepam, MDPV, Meperidine, Mephedrone, Methylphenidate, Midazolam, Morphine, N-Desmethylflunitrazepam, Nitrazepam, Norfentanyl, Normeperidine, O-Desmethyltramadol, Oxycodone, Oxymorphone, Phenazepam, Prazepam, TFMPP, Tramadol, Triazolam, Zaleplon, Zolpidem, Zopiclone		SPE/LCMSMS	Cut-off 10ng/ml	TOX 01 Reception and Identification of specimens for Toxicological Analysis; TOX02 Specimen Preparation for Blood and Urine Screening by LCMSMS; TOX 03 Analysis and Processing for Blood and Urine Screening by LCMSMS; TOX 04 Analysis and Processing THCA Fraction Screening by LCMSMS *1,2,3,4
7-Aminoclonazepam, 7-Aminoflunitrazepam, 7-Aminonitrazepam, Alpha-Hydroxyalprazolam, Alprazolam, AM-2201, Benzylpiperazine, Chlordiazepoxide, Clobazam, Clonazepam, Cocaethylene, Cocaine,	Urine	Dilution/LCMSMS	Cut-off 50ng/ml	TOX 01 Reception and Identification of specimens for Toxicological Analysis; TOX02 Specimen Preparation for Blood and Urine Screening by

Codeine, Diazepam, Desalkylflurazepam, Dihydrocodeine, Diphenhydramine, EDDP, Estazolam, Fenfluramine, Fentanyl, Flunitrazepam, Fluoxetine, Flurazepam, Hydrocodone, HU-210, JWH-018, Lorazepam, Lormetazepam, MDPV, Meperidine, Mephedrone, Methylphenidate, Midazolam, N-Desmethylflunitrazepam, Nitrazepam, Norfentanyl, Normeperidine, O-Desmethyltramadol, Phenazepam, Prazepam, Temazepam, TFMP, Tramadol, Triazolam, Zaleplon, Zolpidem, Zopiclone				LCMSMS; TOX 03 Analysis and Processing for Blood and Urine Screening by LCMSMS; TOX 04 Analysis and Processing THCA Fraction Screening by LCMSMS *1,2,3,4	
Benzoyllecgonine			Dilution/LCMSMS	Cut-off 150ng/ml	TOX 01 Reception and Identification of specimens for Toxicological Analysis; TOX02 Specimen Preparation for Blood and Urine Screening by LCMSMS; TOX 03 Analysis and Processing for Blood and Urine Screening by LCMSMS; TOX 04 Analysis and Processing THCA Fraction Screening by LCMSMS *1,2,3,4
Benzoyllecgonine, Gabapentin, Methadone, Nordiazepam, Oxazepam and Pregabalin	Blood		SPE/LCMSMS	Cut-off 50ng/ml	TOX 01 Reception and Identification of specimens for Toxicological Analysis; TOX02 Specimen Preparation for Blood and Urine Screening by LCMSMS; TOX 03 Analysis and Processing for Blood and Urine Screening by LCMSMS; TOX 04 Analysis and Processing THCA Fraction

				Screening by LCMSMS*1,2,3,4
Diazepam, MDA,MDMA, MDEA, S-Amphetamine, S-Methamphetamine, Temazepam		SPE/LCMSMS	Cut-off 20ng/ml	TOX 01 Reception and Identification of specimens for Toxicological Analysis; TOX02 Specimen Preparation for Blood and Urine Screening by LCMSMS; TOX 03 Analysis and Processing for Blood and Urine Screening by LCMSMS; TOX 04 Analysis and Processing THCA Fraction Screening by LCMSMS *1,2,3,4
Gabapentin, Pregabalin	Urine	Dilution/LCMSMS	Cut-off 500ng/ml	TOX 01 Reception and Identification of specimens for Toxicological Analysis; TOX02 Specimen Preparation for Blood and Urine Screening by LCMSMS; TOX 03 Analysis and Processing for Blood and Urine Screening by LCMSMS; TOX 04 Analysis and Processing THCA Fraction Screening by LCMSMS *1,2,3,4
MDA,MDMA, MDEA, S-Amphetamine, S-Methamphetamine, Morphine		Dilution/LCMSMS	Cut-off 200ng/ml	TOX 01 Reception and Identification of specimens for Toxicological Analysis; TOX02 Specimen Preparation for Blood and Urine Screening by LCMSMS; TOX 03 Analysis and Processing for Blood and Urine Screening by LCMSMS; TOX 04 Analysis and Processing THCA Fraction Screening by

					LCMSMS *1,2,3,4
	Methadone		Dilution/LCMSMS	Cut-off 300ng/ml	TOX 01 Reception and Identification of specimens for Toxicological Analysis; TOX02 Specimen Preparation for Blood and Urine Screening by LCMSMS; TOX 03 Analysis and Processing for Blood and Urine Screening by LCMSMS; TOX 04 Analysis and Processing THCA Fraction Screening by LCMSMS *1,2,3,4
	Nordiazepam, Oxazepam, Oxycodone, Oxymorphone		Dilution/LCMSMS	Cut-off 100ng/ml	TOX 01 Reception and Identification of specimens for Toxicological Analysis; TOX02 Specimen Preparation for Blood and Urine Screening by LCMSMS; TOX 03 Analysis and Processing for Blood and Urine Screening by LCMSMS; TOX 04 Analysis and Processing THCA Fraction Screening by LCMSMS *1,2,3,4
	PDT DT5000 - Performance Testing	Sample cassettes	Quality control check with known positive and negative cassettes	Negative - Positive	DT5000 Analyser Testing Test Method
	Δ9- tetrahydrocannabinol, Cocaine, Morphine and Diazepam	Oral Fluid	DT5000 Analyser	0 to 200% of drug cut-off (Cut offs: Cocaine and Opiates 20ng/ml, Cannabis 10ng/ml and Benzodiazepines 15ng/ml)	DT5000 STK Testing Test Method
1202 Toxicology - .04 Drug quantitation	11-nor-9-carboxy-Δ9- tetrahydrocannabinol	Urine	SPE/GCMSMS	10-300ng/ml	Cannabis Confirmation Test Method *1,2,3,4
	6-Acetylmorphine		Dilution/LCMSMS	10-800ng/ml	Multidrug Confirmation Test Method *1,2,3,4
	6-acetylmorphine and cocaine	Blood	SPE/ LCMSMS	2 – 25ng/ml	Multidrug Confirmation

				Test Method *1,2,3,4
Alpha Hydroxyalprazolam	Blood	LLE/LCMSMS	5-100ng/ml	Benzodiazepine Confirmation Test Method *1,2,3,4
	Urine	LLE/LCMSMS	20-500ng/ml	Benzodiazepine Confirmation Test Method *1,2,3,4
Alprazolam	Blood	LLE/LCMSMS	5-250ng/ml	Benzodiazepine Confirmation Test Method *1,2,3,4
	Urine	LLE/LCMSMS	20-500ng/ml	Benzodiazepine Confirmation Test Method *1,2,3,4
Benzodiazepines, Amphetamines and Opiates	Oral Fluid	LLE/LCMSMS	5-60ng/ml	Opiates, Amphetamines and Benzodiazepines in Oral Fluid Confirmation Test Method *1,2,3,4
Benzoylcegonine	Blood	SPE/ LCMSMS	40-400ng/ml	Multidrug Confirmation Test Method *1,2,3,4
Benzoylcegonine, Codeine, Morphine, Methadone, EDDP, MDA, MDMA, S- Amphetamine, S- Methamphetamine,	Urine	Dilution/LCMSMS	50-800ng/ml	Multidrug Confirmation Test Method *1,2,3,4
Cocaine		Dilution/LCMSMS	20-800ng/ml	Multidrug Confirmation Test Method *1,2,3,4
Cocaine and Benzoylcegonine	Oral Fluid	SPE/LCMSMS	5-60ng/ml	Cocaine and Benzoylcegonine in Oral Fluid Confirmation Test Method *1,2,3,4
Codeine and Morphine	Blood	SPE/ LCMSMS	10-150ng/ml	Multidrug Confirmation Test Method *1,2,3,4
Desalkyl Flurazepam	Blood	LLE/LCMSMS	5-500ng/ml	Benzodiazepine Confirmation Test Method *1,2,3,4
	Urine	LLE/LCMSMS	20-500ng/ml	Benzodiazepine Confirmation Test Method *1,2,3,4
Diazepam	Blood	LLE/LCMSMS	10-1000ng/ml	Benzodiazepine Confirmation Test Method *1,2,3,4



		Urine	LLE/LCMSMS	20-500ng/ml	Benzodiazepine Confirmation Test Method *1,2,3,4
	Diazepam and Temazepam	Oral Fluid	LLE/LCMSMS	1-40ng/ml	Diazepam and Temazepam in Oral Fluid Confirmation Test Method *1,2,3,4
	EDDP, MDA and S-Methamphetamine	Blood	SPE/ LCMSMS	5-50ng/ml	Multidrug Confirmation Test Method *1,2,3,4
	MDMA and S-Amphetamine		SPE/ LCMSMS	10-125ng/ml	Multidrug Confirmation Test Method *1,2,3,4
	Methadone		SPE/ LCMSMS	10-100ng/ml	Multidrug Confirmation Test Method *1,2,3,4
	Nordiazepam	Blood	LLE/LCMSMS	10-1000ng/ml	Benzodiazepine Confirmation Test Method *1,2,3,4
		Urine	LLE/LCMSMS	20-500ng/ml	Benzodiazepine Confirmation Test Method *1,2,3,4
	Oxazepam	Blood	LLE/LCMSMS	10-500ng/ml	Benzodiazepine Confirmation Test Method *1,2,3,4
		Urine	LLE/LCMSMS	20-500ng/ml	Benzodiazepines Confirmation Test Method *1,2,3,4
	Temazepam	Blood	LLE/LCMSMS	10-500ng/ml	Benzodiazepine Confirmation Test Method *1,2,3,4
		Urine	LLE/LCMSMS	20-500ng/ml	Benzodiazepine Confirmation Test Method *1,2,3,4
	Δ9-tetrahydrocannabinol	Oral Fluid	LLE/GCMSMS	1-50ng/ml	THC in Oral Fluid Confirmation Test Method *1,2,3,4
	Δ9-tetrahydrocannabinol and 11-nor-9-carboxy-Δ9-tetrahydrocannabinol	Blood	LLE/ GCMSMS	0.5-35ng/ml and 5-300ng/ml	Cannabis Confirmation Test Method *1,2,3,4

*\*The laboratory has been awarded flexible scope in the scope classifications as noted in the scope document and in accordance with the laboratories approved and documented procedures.*

*Note 1 - Range may be extended for the test*

*Note 2 – New parameters / tests may be added*

*Note 3 – New matrices may be added*

*Note 4 – Changes to equipment / kits where the underlying methodology does not change*

*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	
1202 Toxicology - .01 Alcohol quantification	Barometric Pressure	Alcohol Vapours (Simulated Breath)	EBT (Performance Testing of Evidenzer - Barometric Pressure) Barometer	75 - 115kPa	EBT Test Method	
	Ethanol	Alcohol Vapours (Simulated Breath)	EBT (Performance Testing of Evidenzer, Linearity and repeatability) Simulators	0-200µg/100ml	EBT Test Method	
		Alcohol Vapours (Simulated Breath)	EBT (Performance Testing of Evidenzer - Failure to Return to zero) Simulator	Ambient Fail	EBT Test Method	
		Ethanol + acetone	Alcohol Vapours (Simulated Breath)	EBT (Performance Testing of Evidenzer - Simulating presence of ethanol in the upper respiratory tract) Simulator	Mouth Alcohol	EBT Test Method
				EBT (Performance Testing of Evidenzer - Interfering Substances) Simulators	9µg/100ml (ethanol) + 10µg/100ml (acetone)	EBT Test Method
	Ethanol + Methanol	Alcohol Vapours (Simulated Breath)	EBT (Performance Testing of Evidenzer - Interfering Substances) Simulators	22µg/100ml (ethanol) + 2µg/100ml(methanol)	EBT Test Method	
	Flow		EBT (Performance Testing of Evidenzer - Minimum discard volume) Flow meter, simulators, stopwatch	0-20L/min	EBT Test Method	
		Time	Alcohol Vapours (Simulated Breath)	EBT (Performance Testing of Evidenzer - Minimum flow rate) Flow meter, simulators, stopwatch	0-20L/min	EBT Test Method
	EBT (Performance Testing of Evidenzer - Time) Comparison (time.is)			00:00 - 24:00hrs	EBT Test Method	
	1202 Toxicology - .03 Drug identification	PDT DT5000 - Performance Testing	Sample cassettes	Quality control check with known positive and negative cassettes	Negative - Positive	DT5000 Analyser Testing Test Method

*\*The laboratory has been awarded flexible scope in the scope classifications as noted in the scope document and in accordance with the laboratories approved and documented procedures.*

*Note 1 - Range may be extended for the test*

*Note 2 – New parameters / tests may be added*

*Note 3 – New matrices may be added*

*Note 4 – Changes to equipment / kits where the underlying methodology does not change*

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