

# Schedule of Accreditation



Organisation Name	Medical Bureau Of Road Safety
Trading As	
INAB Reg No	30T
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Accreditation Standard	EN ISO/IEC 17025 T
Standard Version	2017
Date of award of accreditation	15/05/1997
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

Forensic field - Tests	Parameter	Matrix	Equipment/technique	Range of measurement	Std Ref/SOP
1202 Toxicology - .04 Drug quantitation	Chlordiazepoxide, Zolpidem and Demoxepam	Urine	LLE/LCMSMS	Urine Cut - off 50ng/ml	Benzodiazepine Confirmation Test Method Urine **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*

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## 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 * 2 and 4
1202 Toxicology - .02 Alcohol detection		Gas	Certified Dry Gas, Simulator	0 to 150µg/100ml	ABT Test Method
			Certified Dry Gas, Simulator	0 to 150µg/100ml	ABT Test Method
		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 10 ng/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, Benzoylcegonine, Cocaine, Codeine, EDDP, MDA, MDMA, Methadone, Morphine, Oxycodone, Oxymorphone, S-Amphetamine, S-Methamphetamine		Dilution/LCMSMS	Cut-off 100 ng/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, 11-nor-9-carboxy- $\Delta$ 9-tetrahydrocannabinol and 7-Carboxy CBD	Blood	Automated SPE/LCMSMS and Manual SPE/LCMSMS	Cut-off 5 ng/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; TOX 05 Analysis and Processing for Blood Screening using ThermoQuantis LCMSMS; TOX 06 Manual Specimen Preparation for Blood Screening by LCMSMS *1,2,3,4
7-Aminoclonazepam, 7-Aminoflunitrazepam, 7-Aminonitrazepam, Alpha- Hydroxyalprazolam, Adinazolam, Alprazolam, AM-2201, Benzylpiperazine, Chlordiazepoxide, Clobazam, Clonazepam, Cocaethylene, Cocaine, Codeine, Demoxepam, Desalkylflurazepam, Dihydrocodeine, Diphenhydramine, EDDP, Estazolam, Fentanyl, Flualprazolam, Flubromazepam, Flubromazolam, 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,		Automated SPE/LCMSMS and Manual LCMSMS	Cut-off 10 ng/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; TOX 05 Analysis and Processing for Blood Screening using ThermoQuantis LCMSMS; TOX 06 Manual Specimen Preparation for Blood Screening by LCMSMS *1,2,3,4

TFMPP, Tramadol, Triazolam, Zaleplon, Zolpidem, Zopiclone				
7-Aminoclonazepam, 7-Aminoflunitrazepam, 7-Aminonitrazepam, Alpha-Hydroxyalprazolam, Adinazolam, Alprazolam, AM-2201, Benzylpiperazine, Chlordiazepoxide, Clobazam, Clonazepam, Cocaethylene, Demoxepam, Diazepam, Desalkylflurazepam, Dihydrocodeine, Diphenhydramine, Estazolam, Fentanyl, Flualprazolam, Flubromazepam, Flubromazolam, Flunitrazepam, Fluoxetine, Flurazepam, Hydrocodone, HU-210, JWH-018, Lorazepam, Lormetazepam, MDPV, Meperidine, Mephedrone, Methylphenidate, Midazolam, N-Desmethylflunitrazepam, Nitrazepam, Nordiazepam, Norfentanyl, Normeperidine, O-Desmethyltramadol, Oxazepam, Phenazepam, Prazepam, Temazepam, TFMPP, Tramadol, Triazolam, Zaleplon, Zolpidem, Zopiclone	Urine	Dilution/LCMSMS	Cut-off 50 ng/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, Dihydrocodeine, Gabapentin, Nordiazepam, Oxazepam and Pregabalin	Blood	Automated SPE/LCMSMS and Manual SPE/LCMSMS	Cut-off 50 ng/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 ; TOX 05 Analysis and Processing for Blood Screening using ThermoQuantis LCMSMS; TOX 06 Manual Specimen Preparation for Blood Screening by LCMSMS *1,2,3,4

Diazepam, MDA,MDMA, MDEA, S-Amphetamine, S-Methamphetamine, Methadone and Temazepam		Automated SPE/LCMSMS and Manual SPE/LCMSMS	Cut-off 20 ng/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 ; TOX 05 Analysis and Processing for Blood Screening using ThermoQuantis LCMSMS; TOX 06 Manual Specimen Preparation for Blood Screening by LCMSMS *1,2,3,4
DrugWipe 6 S Acceptance Testing for Benzodiazepines, Cannabis, Amphetamines, Methamphetamines, XTC, Cocaine and Opiates	Oral Fluid	Cassettes spiked with 0 % drug in Oral Fluid (negative testing) and up to 300% drug cut off in Oral Fluid (Positive Testing)	0 to 300 % of drug cut-offs (Cut-offs: Benzodiazepines 5ng/ml, Cannabis, Cocaine and Opiates 10ng/ml, Methamphetamine 25ng/ml and Amphetamine 50ng/ml)	Securetec DrugWipe 6 S Acceptance Test Method
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
MDEA		Dilution/LCMSMS	Cut-off 200 ng/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
1202 Toxicology - .04 Drug quantitation	11-nor-9-carboxy- $\Delta$ 9-tetrahydrocannabinol		SPE/GCMSMS	10 to 300ng/ml	Cannabis Confirmation Test Method *1,2,3,4
	6-Acetylmorphine	Blood	SPE/ LCMSMS	2 to 20ng/ml	Multidrug Confirmation Test Method *1,2,3,4
		Urine	Dilution/LCMSMS	10 to 800 ng/ml	Multidrug Confirmation Test Method *1,2,3,4
	Alpha Hydroxyalprazolam	Blood	SPE/LCMSMS	Cut-off 10ng/ml	Multidrug Confirmation Test Method *1,2,3,4
		Urine	LLE/LCMSMS	20 to 500ng/ml	Benzodiazepine Confirmation Test Method *1,2,3,4
	Alprazolam	Blood	SPE/LCMSMS	Cut-off 10ng/ml	Multidrug Confirmation Test Method *1,2,3,4
		Urine	LLE/LCMSMS	20 to 500ng/ml	Benzodiazepine Confirmation Test Method *1,2,3,4
	Benzodiazepines, Amphetamines and Opiates	Oral Fluid	LLE/LCMSMS	5 to 100ng/ml	Opiates, Amphetamines and Benzodiazepines in Oral Fluid Confirmation Test Method *1,2,3,4
	Benzoylcegonine	Blood	SPE/ LCMSMS	40 to 2000ng/ml	Multidrug Confirmation Test Method *1,2,3,4
	Benzoylcegonine, Codeine, Morphine, Methadone, EDDP, MDA, MDMA, S-Amphetamine, S-Methamphetamine,	Urine	Dilution/LCMSMS	50 to 800 ng/ml	Multidrug Confirmation Test Method *1,2,3,4
Chlordiazepoxide, Zolpidem and Demoxepam	Blood	SPE/LCMSMS	Blood Cut - off 10ng/ml	Multidrug Confirmation Test Method Blood and Urine **1,2,3,4	
Cocaine		SPE/LCMSMS	5 to 200ng/ml	Multidrug Confirmation Test Method *1,2,3,4	

	Urine	Dilution/LCMSMS	20 to 800 ng/ml	Multidrug Confirmation Test Method *1,2,3,4
Cocaine and Benzoyllecgonine	Oral Fluid	SPE/LCMSMS	5 to 100ng/ml	Cocaine and Benzoyllecgonine in Oral Fluid Confirmation Test Method *1,2,3,4
Codeine, Morphine and EDDP	Blood	SPE/ LCMSMS	Cut off 10ng/ml	Multidrug Confirmation Test Method *1,2,3,4
Desalkyl Flurazepam	Blood	SPE/LCMSMS	Cut-off 10ng/ml	Multidrug Confirmation Test Method *1,2,3,4
	Urine	LLE/LCMSMS	20 to 500ng/ml	Benzodiazepine Confirmation Test Method *1,2,3,4
Diazepam	Blood	SPE/LCMSMS	Cut-off 10ng/ml	Multidrug Confirmation Test Method *1,2,3,4
	Urine	LLE/LCMSMS	20 to 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
Diphenhydramine, Tramadol and O-desmethyltramadol	Blood	SPE/LCMSMS	Cut-off 10 ng/ml	Multidrug Confirmation Test Method *1,2,3,4
	Urine	Dilution/LC HRMS	Cut-off 50 ng/ml	Qualitative Confirmation Test Method *1,2,3,4
MDA and S-Methamphetamine	Blood	SPE/ LCMSMS	Cut-off 20ng/ml	Multidrug Confirmation Test Method *1,2,3,4
MDMA and S-Amphetamine		SPE/ LCMSMS	Cut-off 20ng/ml	Multidrug Confirmation Test Method *1,2,3,4
Methadone		SPE/ LCMSMS	Cut-off 20ng/ml	Multidrug Confirmation Test Method *1,2,3,4
Nordiazepam	Blood	SPE/LCMSMS	Cut-off 50ng/ml	Multidrug Confirmation Test Method *1,2,3,4
	Urine	LLE/LCMSMS	20 to 500ng/ml	Benzodiazepine Confirmation Test Method *1,2,3,4

Oxazepam	Blood	SPE/LCMSMS	Cut-off 50ng/ml	Multidrug Confirmation Test Method *1,2,3,4
	Urine	LLE/LCMSMS	20 to 500ng/ml	Benzodiazepines Confirmation Test Method *1,2,3,4
Temazepam	Blood	SPE/LCMSMS	Cut-off 20ng/ml	Multidrug Confirmation Test Method *1,2,3,4
	Urine	LLE/LCMSMS	20 to 500ng/ml	Benzodiazepine Confirmation Test Method *1,2,3,4
$\Delta$ 9-tetrahydrocannabinol	Oral Fluid	LLE/GCMSMS	1 to 50ng/ml	THC in Oral Fluid Confirmation Test Method *1,2,3,4
$\Delta$ 9-tetrahydrocannabinol and 11-nor-9-carboxy- $\Delta$ 9-tetrahydrocannabinol	Blood	LLE/GCMSMS	0.5 to 35ng/ml and 5 to 300ng/ml	Cannabis Confirmation Test Method *1,2,3,4

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## Head Office

### Forensic Testing

Category: B

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
	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 + acetone	Alcohol Vapours (Simulated Breath)	EBT (Performance Testing of Evidenzer - Interfering Substances) Simulators	22µg/100ml (ethanol) + 2µg/100ml(methanol)	EBT Test Method
	Ethanol + Methanol		EBT (Performance Testing of Evidenzer - Minimum discard volume) Flow meter, simulators, stopwatch	0-20L/min	EBT Test Method
	Flow	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

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