

Schedule of Accreditation



Organisation Name	Medical Bureau Of Road Safety
Trading As	
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Accreditation Standard	ISO 17025 T
Date of award of accreditation	15/05/1997
Scope Classification	Forensic testing
Services available to the public ¹	No

¹ 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 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 *1,2,3,4
	6-Acetylmorphine and 11-nor-9-carboxy-Δ9-tetrahydrocannabinol	Blood	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 *1,2,3,4
6-Acetylmorphine, Benzoyllecgonine, Cocaine, Codeine, EDDP, MDA, MDMA, Methadone, Morphine, Oxycodone, Oxymorphone, S-Amphetamine, S- Methamphetamine	Urine	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
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	Blood	SPE/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
7-Aminoclonazepam, 7-Aminoflunitrazepam, 7-Aminonitrazepam, Alpha-Hydroxyalprazolam, Alprazolam, AM-2201, Benzylpiperazine, Chlordiazepoxide, Clobazam, Clonazepam, Cocaethylene, Diazepam, Desalkylflurazepam, Dihydrocodeine, Diphenhydramine, Estazolam, Fenfluramine, Fentanyl, 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,	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

Temazepam, TFMPP, Tramadol, Triazolam, Zaleplon, Zolpidem, Zopiclone				
Benzoyllecgonine, Gabapentin, Methadone, Nordiazepam, Oxazepam and Pregabalin	Blood	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*1,2,3,4
Diazepam, MDA,MDMA, MDEA, S-Amphetamine, S-Methamphetamine, Temazepam		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 *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
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
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 to 800 ng/ml	Multidrug Confirmation Test Method *1,2,3,4
	6-acetylmorphine and cocaine	Blood	SPE/ LCMSMS	2 to 25 ng/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 to 400 ng/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
	Cocaine		Dilution/LCMSMS	20 to 800 ng/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 to 150 ng/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
Diphenhydramine, Tramadol and O-desmethyltramadol	Blood	SPE/LC HRMS	Cut-off 10 ng/ml	Qualitative Confirmation Test Method *1,2,3,4
	Urine	Dilution/LC HRMS	Cut-off 50 ng/ml	Qualitative Confirmation Test Method *1,2,3,4
EDDP, MDA and S-Methamphetamine	Blood	SPE/ LCMSMS	5 to 50 ng/ml	Multidrug Confirmation Test Method *1,2,3,4
MDMA and S-Amphetamine		SPE/ LCMSMS	10 to 125 ng/ml	Multidrug Confirmation Test Method *1,2,3,4
Methadone		SPE/ LCMSMS	10 to 100 ng/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 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	
		Ethanol + acetone	Alcohol Vapours (Simulated Breath)	EBT (Performance Testing of Evidenzer - Interfering Substances) Simulators	9µg/100ml (ethanol) + 10µg/100ml (acetone)	EBT Test Method
	Ethanol + Methanol	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)	0-20L/min	EBT Test Method	

			Flow meter, simulators, stopwatch			
			EBT (Performance Testing of Evidenzer - Minimum flow rate) Flow meter, simulators, stopwatch	0-20L/min	EBT Test Method	
	Time		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	

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