



Drug, Alcohol & DNA Testing for Medico-Legal



Introduction

At Randox Testing Services we provide drug, alcohol & DNA testing to professionals in the medico-legal sector. Our testing services utilise fully accredited testing methods making it cost-effective through the patented testing methods we have developed.

Medico-legal testing for drugs, alcohol & DNA may be required by various professional bodies involved in child custody cases, care proceedings or child protection cases.

Comprehensive Drug, Alcohol & DNA Testing

Alcohol Testing



Blood

- Fully trained phlebotomist collection officer takes a blood sample.
- PEth (Phosphatidylethanol) is a direct alcohol biomarker that only forms in the body when ethanol is present making it the most sensitive and specific test to assess alcohol consumption levels. The test involves spotting a drop of blood from a small finger prick onto a test card. The dried blood spot (DBS) is sent to the laboratory for analysis.
- Liver Function Test (LFT) – The blood is examined for specific enzymes which can indicate damage to the liver caused by alcohol consumption. Carbohydrate Deficient Transferrin (CDT) – Looks at specific protein which can become elevated because of heavy alcohol consumption.



Hair

- Ethyl Glucuronide (EtG) and Ethyl Palmitate (EtPa) are direct biomarkers formed in the liver when alcohol is consumed.
- Both EtG and EtPa can be measured in hair providing an insight into alcohol consumption over the previous period of months.
- Detection window of 0-6months dependent on length (1cm roughly 1 month) - will be an overview of 3 monthly periods.
- Head hair & body hair (except axillary & pubic).

• Drug Testing



Urine

- Our 12-panel instant urine testing device provides an assessment of substance consumption for up to 12 days
- Confirmation of presumptive positive available on request

Testing Panel

Opiates	MDMA/Ecstasy	Cocaine	Tramadol	Methadone	Methamphetamine
Ketamine	Amphetamine	Cannabinoids	EDDP	Benzodiazepines	Buprenorphine



Hair

- Detection window of 0-12 months dependent on length (1cm roughly 1 month) – Can be an overview of 3 monthly periods or segmented into monthly periods.
- Head hair & body hair (except axillary & pubic).
- Bespoke hair drug panel available on request
- Other substances available on request

Testing Panel

Opiates	Methadone	Tramadol	Cocaine (inc. Crack Cocaine)
Benzodiazepines	Cannabis	Ketamine	Amphetamines (inc. Methamphetamines and “ecstasy” type drugs)

DNA Testing

- Paternity Testing
- Maternity Testing
- Sibling DNA Testing
- Grandparent DNA Testing
- Aunt/Uncle Testing

Experienced Reporting Services



Expert Witness Statement

- Full result dissemination
- Detailed information provided from receipt of request to provision of results
- Experience of RTS laboratory experts with over 20 years' experience. Undertaken expert witness training and have attended court to provide expert testimony.
- Experience in reporting toxicological findings of a variety of case types ranging for cross examination in family, coronial or criminal law courts



Collection Service

- Fully trained collection officers within nationwide network
- Legally defensible
- Strict chain of custody procedure from collection to results
- Secure sample storage following analysis
- All collection officers fully equipped with relevant PPE

Testimonial

Radox Testing Services for the presence of illegal and non-prescription drugs is a simple process and the results are available in a good timescale which is important in court cases. I have used the service for clients on a number of occasions and was always impressed.

- Keenan Solicitors

Contact Details

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