



Instructions for Handling Test Materials and Recording Results

Sample matrix

***** HIV notice *****

In compliance with the guidelines issued by the U.K. Department of Health during August 1986 under circular HIV(LAV/HTLV III - 'AIDS VIRUS') Antibody in Diagnostic Reagents, and Quality Control and Calibration Materials (ANNEX) HN(86)25, Section 2; 2.4; the human serum from which the samples are prepared has been screened at source and is negative for human immunodeficiency virus antibodies, hepatitis B surface antigen and hepatitis C antibody. However, despite this, it is recommended that laboratory personnel treat the samples with the same degree of care and attention as exercised when handling routine clinical samples.

The blood is obtained from the Welsh Blood Transfusion Service and is pre-screened.

The urine is supplied from donors. The urine has been heated at 60°C for 1½ hours prior to lyophilisation. Nevertheless, it is recommended that laboratory personnel treat the samples with the care and attention normally exercised in handling clinical specimens.

Note: All test materials provided are intended for use as proficiency testing materials only and are not to be used for any other purposes.

Please see Appendix A for information regarding specific specimens

Sample Storage

Store at 4°C for up to 3 days. Store at -20°C on arrival if testing is to be delayed > 3 days. Use once only.

Reporting units

For the submission of results mass and molar units are available to participants. However, for the majority of analytes the report will be produced in mass units.

Submission of results

All results should be submitted using PORTAL.

- Please go to <https://www.lgcpt.com/portal>
- Login using your Lab ID, username and password.

PORTAL user advice has been supplied in the sample package and in the sample despatch email. Further guides can be downloaded from the help section.

Please do not hesitate to contact our support team using the details below or your local LGC representative if any difficulties are encountered.

Tel: +44 (0)161 762 2500

Email: tox@lgcgroup.com



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Appendix A

SM, BLD and URN: Distributed monthly

Samples are 1.7ml in volume and liquid.

Store at 4°C for up to 3 days. Store at -20°C on arrival if testing is to be delayed > 3 days. Use once only.

CAS: Toxicology case study, distributed quarterly

The Case Study consists of a 7ml sample of serum and a 20ml sample of urine. All liquid samples.

Store at 4°C for up to 3 days. Store at -20°C on arrival if testing is to be delayed > 3 days.

Default units mg% (mg/100ml) for ethanol and mg/L for paracetamol and salicylic acid.

TAK: Toxic Alcohols, distributed twice yearly

Sample is 1.7ml in volume and liquid blood. Store at 4°C for up to 3 days. Store at -20°C on arrival if testing is to be delayed > 3 days. Use once only.

Default units mg/L

GHB: Gammahydroxybutyrate, distributed twice yearly

Samples are 2ml lyophilised urine.

Dissolve samples by adding 2ml of distilled water as specified on the sample. Use gentle mixing for at least 1 hour.

Avoid vigorous agitation. Once reconstituted store at 4°C for up to a maximum of 2 days or frozen and thawed once only before assay.

Default units mg/L

QT: Whole blood quantitative toxicology, distributed quarterly

Samples are 7ml of liquid blood.

Store at 4°C for up to 3 days. Store at -20°C on arrival if testing is to be delayed > 3 days.

Default units are dependant upon the analyte.

For analytes please see overleaf.



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APRIL 2016	
QT1	QT2
Methamphetamine	Methylphenidate
MDMA	Oxazepam
Free Morphine	Diazepam
Free Codeine	Nordiazepam
	Temazepam
JULY 2016	
QT1	QT2
Tramadol	Pregabalin
O-Desmethyltramadol	Gabapentin
Dihydrocodeine	Citalopram
Paracetamol	Sertraline
	Mirtazapine
OCTOBER 2016	
QT1	QT2
THC	Methadone
THC-COOH	Bromazepam
Hydroxy-THC	Buprenorphine
Cocaine	Norbuprenorphine
Benzoyllecgonine	
JANUARY 2017	
QT1	QT2
Amitriptyline	Amphetamine
Nortriptyline	Ketamine
Fentanyl	Mephedrone
Zopiclone	4-Methylethcathinone
Zolpidem	

Default reporting units in the report are µg/L.



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BNZ: Benzodiazepine mix, distributed quarterly

Samples are 2 x 4ml lyophilised serum.

Dissolve samples by adding 4ml of distilled water as specified on the sample. Use gentle mixing for at least 1 hour.

Avoid vigorous agitation. Once reconstituted store at 4°C for up to a maximum of 2 days or frozen and thawed once only before assay.

Default units µg/L

ZMIX: Z-Drug mix, distributed quarterly

Samples are 2 x 4ml lyophilised serum.

Dissolve samples by adding 4ml of distilled water as specified on the sample. Use gentle mixing for at least 1 hour.

Avoid vigorous agitation. Once reconstituted store at 4°C for up to a maximum of 2 days or frozen and thawed once only before assay.

Default units µg/L