

# Pathology news

September 2013 – IBMS Congress Special

## Quality, Price & Service...

At the IBMS this year we feature the tests we offer to other laboratories and in particular highlight new or improved services where we are seeing significant demand.

### Drugs of Abuse & Unknown Drugs Screening

We have been working on new tests for both oral fluid and urine drugs of abuse screens for several years. This has seen a major investment in LC-MS/MS capability with our toxicology laboratory now having four mass spectrometers. The oral fluid service has been running successfully for a year and has picked up patients taking a number of 'street highs' as well as giving much greater rigour to the analysis of drugs of abuse screening where effectively we are offering a 'screen and confirmation' all in one. Our new LC-MS/QToF is now in routine use to help with unknown drugs screens and it has a growing database of 1200 drugs that can be detected in urine or plasma.



Dr Loretta Ford and Wale Ogunkeyede working on the LC-MS/QToF analyser

### Urgent Ethylene & Diethylene Glycol

Ethylene glycol levels are extremely important in patients who have taken an overdose. We always treat this as an urgent test. With the closure of other services we work hard to offer urgent testing at all times to laboratories throughout the UK.

To send an out of hours sample you need to contact SWBH switchboard on 0121 554 3801 and ask for the Consultant Biochemist On-Call. Further details can be found at [www.cityassays.org.uk](http://www.cityassays.org.uk).



## TPMT & Thioguanine

Our TPMT service continues to be used by a majority of laboratories in the United Kingdom. The associated thioguanine nucleotides test is seeing considerable growth and we have recently installed a new analyser to help cope with demand and ensure we continue to maintain a 1-2 day turn round.

## Infliximab

Our service comprises measurement of serum trough infliximab levels and anti-infliximab antibodies which is reflex tested from the results of the serum levels.



**Come and meet us on Stand R14**

# Specialist Assays

## Prices and turn round targets\* offered to NHS Contracts

\*Where days are given these are working days.

Biochemistry	Turn round	Cost
ACE	3 days	£15
Bile Acids	1 day	£15
Caeruloplasmin	2 days	£10
Carotenes	5 days	£35
Faecal Calprotectin	3 days	£35
Faecal elastase-1	3 days	£32
Fructosamine	1 day	£15
Gilberts Syndrome (UGT1A1*28)	3 days	£30
Pharmacogenomics	Turn round	Cost
Thioguanine Nucleotides	2 days	£27
TPMT Service (Enzyme activity and relevant DNA)	1 day	£20
Serum Infliximab	3 days	£25
Anti-Infliximab Antibodies	7 days	£30
Fat soluble vitamins	Turn round	Cost
25-hydroxyvitamin D <sub>2</sub> & D <sub>3</sub> Serum/Plasma	2-3 days	£10
Vitamin A	2-3 days	£13
Vitamin E	2-3 days	£13
Blood spot analysis	Turn round	Cost
25-hydroxyvitamin D <sub>2</sub> & D <sub>3</sub>	2-3 days	£20
Blood Spot Pack		£6
Stone service	Turn round	Cost
Stone Analysis	5 days	£27
Urine Citrate	5 days	£15
Urine Oxalate	5 days	£15
Urine stone screen (calcium, phosphate, citrate, oxalate, magnesium, urate)	5 days	£50
Therapeutic drugs	Turn round	Cost
Caffeine	1-2 days	£20
Clozapine & Norclozapine	2-3 days	£17
Lamotrigine	2-3 days	£17
Lithium	1 day	£8
Olanzapine	3 days	£31
Levetiracetam	4 days	£30
Melphalan	4 days	£30
Toxicology	Turn round	Cost
Caffeine & Paraxanthine	1-2 days	£20
Ethanol	1-2 hours	£30
Ethylene/Diethylene Glycol	1-2 hours	£150
	Out of hours:	£300
Methanol (methyl alcohol)	1-2 hours	£50
Sulphonyl Urea, Antidiabetic Drug Screen	2-3 hours	£85
Tricyclic Antidepressants (Total) by Immunoassay	1-2 hours	£60
Unknown Drug Screen	2-3 hours	£250

Toxicology (continued)	Turn round	Cost
Urine Diuretic Screen	1-2 days	£90
Urine Laxative Screen	2-3 days	£90
B-Hydroxy-Butyrate (BHB)	2-3 days	£80
G-Hydroxy-Butyrate (GHB)	2-3 days	£80

Trace Elements	Turn round	Cost
Aluminium	2-5 days	£25
Arsenic	2-5 days	£20
Cadmium	2-5 days	£20
Chromium	1-2 days	£20
Cobalt	1-2 days	£20
Chromium & Cobalt	1-2 days	£28
Copper	2-3 days	£20
Lead	2-3 days	£20
Manganese	2-5 days	£20
Mercury	2-5 days	£20
Nickel	2-5 days	£20
Selenium Copper & Zinc	1-2 days	£12ea.
Toxic Metals Screen	1-2 days	£100
Other Metals	2-5 days	£20

Drugs of abuse screen	Turn round	Cost
Saliva Collection Device (pack of 20)		£30
Oral Fluid	1-2 days	£35**
Urine	1-2 days	£35**

### Current drugs of abuse panel\*

<b>Opiates</b>
Morphine; DHC; Codeine; Heroin (6-MAM)
<b>Opioids</b>
Buprenorphine & Norbuprenorphine Metabolite; Methadone & EDDP; Metabolite; Thebaine (poppy seed marker)
<b>Amfetamines</b>
Amphetamine; Metamphetamine; Ecstasy MDMA; Ecstasy MDA; Ecstasy MDEA
<b>Cocaine</b>
Cocaine metabolite; Benzoylcegonine
<b>Benzodiazepines</b>
Lorazepam; Oxazepam; Temazepam; Nordiazepam; Diazepam
<b>Street highs</b>
Methylenedioxypyrovalerone (MDPV, bath salts); 4-methylethcathinone (4-MEC, NRG-2); Mephedrone (Meow, meow); Cathinone (Khat)
<b>Other drugs</b>
PCP; Ketamine; Tramadol

\*Includes classic drugs of abuse & newer 'street highs'

\*\*Significant reductions for contracted work.

For medico-legal work, where a quantitation of positive results is required in addition to the screen, charges are £70.

Other drugs of abuse screening	Turn round	Cost
Amphetamine ratio (resolution of D, L isomers)	1 day	£40
Barbiturates	1 day	£60
Cannabis Screen	1 day	£15
Screen & Confirmation		£35
Other drugs detectable on the LC-MS/QToF	1 day	£60

# Contact Point

## General Enquiries

info@cityassays.org.uk

Tel: 0121 507 5162

## Trace Elements

elements@cityassays.org.uk

Tel: 0121 507 4137

## Toxicology

toxicology@cityassays.org.uk

Tel: 0121 507 4135

[cityassays.org.uk](http://cityassays.org.uk)

Our website gives basic details for many of our tests.



This includes:

- Downloadable PDF files of user information leaflets
- Relevant information and background details
- Up to date turn round times



# What a Twitter...



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