

HEALTH AND SAFETY LABORATORY
STANDARD BIOMEDICAL ASSAYS AVAILABLE



Valid from 1 April 2017

All prices now include pre-paid return postage for samples being sent for analysis

Online Ordering

Chemical	Sample	Analyte	Method	Price
Arsenic	Urine	Arsenic species	LC-ICP/MS	£88
* Cadmium	Blood (EDTA)	Cadmium	ICP/MS	£22
* Cholinesterase (both plasma and red cell)	Blood (EDTA)	Cholinesterase activity	Biochemical analyser	£47
* Chromium	Urine	Chromium	ICP/MS	£42
Chromium and nickel combined	Urine	Chromium and nickel	ICP/MS	£52
Fluoride	Urine	Fluoride	Ion Selective Electrode	£58
* Isocyanates (diisocyanates)	Urine	Corresponding diamine	GC-MS (CI-)	£59
* Lead, ZPP and Haemoglobin (together)	Blood (EDTA)	Lead	ICP/MS	£29
* Lead (blood)	Blood (EDTA)	Lead	ICP/MS	£22
Methylene bis(2-chloroaniline) "MbOCA" with isocyanates	Urine	Methylene bis(2-chloroaniline) "MbOCA" with isocyanates	GC-MS	£87
* Nickel	Urine	Nickel	ICP/MS	£42

* UKAS accredited method

Turnaround time 10 working days from receipt of samples, except for:

Blood lead and cadmium (5 working days)

Arsenic speciation and Fluoride (20 working days)

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Standard Assays				
Chemical	Sample	Analyte	Method	Price
<u>Arsenic</u>	Urine	Arsenic species	LC-ICP/MS	£88
Benzene	Urine	S-phenylmercapturic acid (S-PMA) with cotinine (marker of smoking)	LC-MS/MS	£63 £78
*Cadmium	Blood (EDTA)	Cadmium	ICP/MS	£22
*Cadmium	Urine	Cadmium	ICP/MS	£42
* <u>Cholinesterase</u> (both plasma and red cell)	Blood (EDTA)	Cholinesterase activity	Biochemical analyser	£47
*Creatinine (standalone analysis)	Urine	Creatinine	Biochemical analyser	£6
* <u>Chromium</u>	Urine	Chromium	ICP/MS	£42
Chromium and nickel combined	Urine	Chromium and nickel	ICP/MS	£52
*Cobalt	Urine	Cobalt	ICP/MS	£42
Elemental Suite 1	Urine	Al, Sc, Co, Ni, Cu, Zn, Rb, Sr, Zr, Cd, Sb, Cs, Ba, Tl, Pb, Bi	ICP/MS	£42 one element + £10 for each additional element
Elemental Suite 2	Urine	V, Cr, Mn, Mo, Ni, Sn W	ICP/MS (CCT)	£42 one element + £10 for each additional element

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Arsenic speciation, Fluoride and Solvents (20 working days)

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Standard Assays				
Chemical	Sample	Analyte	Method	Price
Ethylbenzene with xylene	Urine	Mandelic acid with methylhippuric acid	HPLC-UV	£63 £78
Fluoride (special offer available online)	Urine	Fluoride	Ion Selective Electrode	£58
*Haemoglobin	Blood (EDTA)	Haemoglobin	Biochemical analyser	£12
* Isocyanates (diisocyanates)	Urine	Corresponding diamine	GC-MS (CI-)	£59
*Lead (urine)	Urine	Lead	ICP/MS	£42
* Lead , ZPP and Haemoglobin (together)	Blood (EDTA)	Lead	ICP/MS	£29
*Lead (blood)	Blood (EDTA)	Lead	ICP/MS	£22
* Mercury	Urine	Mercury	ICP/MS	£42
MEK or MIBK	Urine	MEK or MIBK	GC-MS	£64
Methylene bis(2-chloroaniline) MBOCA with isocyanates	Urine	Methylene bis(2-chloroaniline) MBOCA with isocyanates	GC-MS	£72 £87
*Methylene Dianiline (MDA)	Urine	Methylene Dianiline	GC-MS (CI-)	£59
*Nickel	Urine	Nickel	ICP/MS	£42

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Standard Assays				
Chemical	Sample	Analyte	Method	Price
Nickel and chromium combined	Urine	Nickel and chromium	ICP/MS	£52
Polycyclic aromatic hydrocarbons	Urine	1-hydroxypyrene	HPLC-FLD	£51
*Selenium	Urine / Serum	Selenium	ICP/MS	£53
Solvents - up to 3 named	Blood/ Urine/ Breath	Named solvents	GC-MS	£64
Solvents Screen	Blood/ Urine/ Breath	Semi-quantitative screen of solvents	GC-MS	£88
Styrene	Urine with xylene	Mandelic acid	HPLC-UV	£63
		with methylhippuric acid		£78
*Thallium	Urine	Thallium	ICP/MS	£42
Total protein	Urine	Total protein	Biochemical analyser	£30
Xylene	Urine with ethylbenzene or styrene	Methylhippuric acid	HPLC-UV	£63
		with mandelic acid		£78
*Zinc protoporphyrin	Blood (EDTA)	Zinc protoporphyrin	Spectrophotometry	£12

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Quarterly Assays - sample receipt deadline end of January, April, July and October

Chemical	Sample	Analyte	Method	Price
Bendiocarb	Urine	2,2-Dimethyl-1,3benzodioxol	GC-MS	£84
Butoxyethanol	Urine	Butoxyacetic acid	GC-MS	£84
Cyanide & other organonitriles	Urine	Thiocyanate	Biochemical analyser	£44
Cyclohexanone	Urine	Cyclohexanol	GC-MS	£75
Dimethylacetamide	Urine	N-Methylacetamide	GC-MS	£58
Dimethylformamide	Urine	N-Methylformamide	GC-MS	£58
Glycol ethers	Urine	Alkoxyacetic acids	GC-MS	£84
Glyphosate	Urine	Glyphosate	LC-MS/MS	£84
Nitroglycerin	Urine	Total nitroglycols	LC-MS/MS	£74
Cypermethrin or Deltamethrin	Urine	Total DCVA or DBVA	LC-MS/MS	£74
Other Synthetic Pyrethroids	Urine	3-Phenoxybenzoic acid	LC-MS/MS	£74
Phenol	Urine	Phenol	GC-MS	£75
Retinol binding protein	Urine	Retinol binding protein	Immunoassay	£44
Toluene	Urine	o-Cresol	GC-MS	£75

These assays are run four times per year (sample receipt deadline – end of January, April, July and October). Turnaround time is 20 working days from the last day of the month. Samples may be analysed at any time with a 20 working day turnaround but will be charged at full economic cost (prior agreement is required).

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Bespoke (price for up to 10 samples, >10 samples at additional 5% per sample)				
Chemical	Sample	Analyte	Method	Price
Acrylamide	Urine	Acrylamide mercapturic acid	LC-MS/MS	£800
Albumin	Urine	Albumin	Biochemical analyser	£280
Aniline, o-Toluidine or p-Toluidine	Urine	Aniline, o-Toluidine or p-Toluidine	LC-MS/MS	£800
Beryllium	Urine	Beryllium	ICP/MS	£510
Bromide	Urine / Serum	Bromide	ICP/MS	£380
Carbon disulphide	Urine	Thiothiazolidine carboxylic acid	LC-MS/MS	£800
Captan	Urine	THPI	LC-MS/MS	£800
Chlormequat	Urine	Chlormequat	LC-MS/MS	£800
Chlorpyrifos	Urine	Trichloropyridinol	GC-MS	£800
Colophony/Rosin	Urine	Dehydroabietic acid	LC-MS/MS	£800
Dithiocarbamates	Urine	Ethylenethiourea	LC-MS/MS	£800
Dinoseb	Blood (EDTA)	Dinoseb	HPLC-UV	£800
Elemental Suite 3 – rare elements	Urine	Nb, Rh, Te, Ta, Os, Ir, Pt	ICP/MS	£830 one element + £100 for each additional element
Elemental Suite 4 – rare elements	Urine	Ga, Y, Pd, In, Ce, Sm, Gd, Hf	ICP/MS	£830 one element + £100 for each additional element
Epoxy resin hardeners	Urine	m-XDA, DDHM etc.	GC-MS	£800

Bespoke assays are run on demand. Turnaround time is 20 working days from the day of the receipt.

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Bespoke (price for up to 10 samples, >10 samples at additional 5% per sample)				
Chemical	Sample	Analyte	Method	Price
Furfural	Urine	Furoic acid	GC-MS	£800
Hexane	Urine	Hexanedione	GC-MS	£800
Hydrogen sulphide	Blood / Urine	Thiosulphate	GC-MS	£450
*Mercury	Blood (EDTA)	Mercury	ICP/MS	£380
Metal screen	Hair, nails, tissue	Metals	ICP/MS	£1400 per sample
Naphthalene	Urine	Naphthols	LC-MS/MS	£800
N-Methylpyrrolidone	Urine	5-Hydroxymethylpyrrolidone	LC-MS/MS	£800
Organophosphate pesticides	Urine	Dialkylphosphates	Enquire	Enquire
Pirimicarb	Urine	5,6-dimethyl-2-(methylamino)pyrimidin-4-ol	LC-MS/MS	£800
Platinum – soluble	Filters	Platinum – soluble	ICP/MS	£610
Platinum – soluble & insoluble	Filters	Platinum – soluble & insoluble	ICP/MS	£880
Silver	Blood (EDTA)	Silver	ICP/MS	£800
Tobacco smoke	Urine / saliva	Cotinine	LC-MS/MS	£450
Trichloroethylene	Urine	Trichloroacetic acid	LC-MS/MS	£450
Trimethylbenzene	Urine	Dimethylbenzoic acids	GC-MS	£800

Bespoke assays are run on demand. Turnaround time is 20 working days from the day of the receipt. Filter samples are subject to VAT.

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Bespoke (price for up to 10 samples, >10 samples at additional 5% per sample)

Cytotoxics

Chemical	Sample	Analyte	Method	Price
Cyclophosphamide/Ifosfamide	Wipe / Urine	Cyclophosphamide/Ifosfamide	LC-MS/MS	£560
Mitomycin	Wipe / Urine	Mitomycin	LC-MS/MS	£560
Methotrexate	Wipe / Urine	Methotrexate	Immunoassay	£560
Platinum	Wipe / Urine	Platinum	ICP/MS	£460
5-Fluorouracil	Wipe	5-Fluorouracil	Immunoassay	£560

Bespoke assays are run on demand. Turnaround time is 20 working days from the day of the receipt. Wipe samples are subject to VAT.