

1,25-dihydroxyvitamin D

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	500uL
Storage	Fridged
Meditech Code	125VITD
Other information required	
Postal Address	Eastern Pathology Alliance, Laboratory Medicine East Block, Level 1, Norfolk and Norwich University NHS Foundation Trust, Colney Lane, Norwich, NR4 7UY.
Contact Name	Dr. Allison Chipchase
Contact Telephone Number	01603 287945
Contact Email Address	nnu-tr.nnuhdutybiochemist@nhs.net ; nnuh.labmedresults@nnuh.nhs.uk
Dispatch	First class post
Turnaround Time	4 weeks
External Website	

11-deoxycortisol

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	250uL
Storage	Stable for 5 days at 2-8C or 2 months at -18C
Meditech Code	
Other information required	Please state if part of a SST test.
Postal Address	Clinical Biochemistry, 4th Floor Pathology and Pharmacy Building, 80 Newark Street, Whitechapel, London, E1 2ES.
Contact Name	
Contact Telephone Number	020 7377 7000 - ext 61011
Contact Email Address	bhnt.clinbiochemadvice-barts@nhs.net
Dispatch	First class post
Turnaround Time	10 working days (48hrs urgent)
External Website	https://www.eselpathology.nhs.uk/download.cfm?doc=docm93jjjm4n5479

17-hydroxyprogesterone (17-OHP) (bloodspot)

Discipline Responsibility	Biochemistry
Sample Type	Dried Bloodspot
Sample Volume	1 full spot (ideally 2)
Storage	Room temp
Meditech Code	17OHP-BS (Timed test code available: 17OHP-BST)
Other information required	
Postal Address	Specialist Biochemistry (MP8), Level C, Lab and Path Block, Southampton General Hospital, Tremona Road, Southampton, SO16 6YD
Contact Name	Craig McEwan
Contact Telephone Number	02381 206706
Contact Email Address	uhs.labresults@nhs.net / DB uhs.dutybiochemist@nhs.net
Dispatch	First class post
Turnaround Time	11 working days
External Website	

17-hydroxyprogesterone (17-OHP) (serum)

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	250uL
Storage	Stable for 5 days at 2-8C or 2 months at -18C
Meditech Code	OHP17 (Timed test codes available: OHP0, OHP30, OHP60)
Other information required	Please state if part of a SST test. Test must not be performed at <48hrs of age.
Postal Address	Clinical Biochemistry, 4th Floor Pathology and Pharmacy Building, 80 Newark Street, Whitechapel, London, E1 2ES.
Contact Name	
Contact Telephone Number	020 7377 7000 - ext 61011
Contact Email Address	bhnt.clinbiochemadvice-barts@nhs.net
Dispatch	First class post
Turnaround Time	10 working days (48hrs urgent)
External Website	https://www.eselpathology.nhs.uk/download.cfm?doc=docm93jjjm4n5479

5-hydroxyindole acetic acid (5-HIAA) (serum)

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	125uL
Storage	Fridged
Meditech Code	
Other information required	Sample should be taken after overnight fast. Avoid serotonin containing foods.
Postal Address	Dept of Biochemistry, Clinical Sciences Building, Wythenshawe Hospital, Manchester University NHS Foundation Trust, Southmoor Road, Wythenshawe, Manchester M23 9LT.
Contact Name	
Contact Telephone Number	0161 291 2136
Contact Email Address	mft.biochemistry.wythenshawe@nhs.net
Dispatch	First class post
Turnaround Time	10 working days
External Website	

5-hydroxyindole acetic acid (5-HIAA) (urine)

Discipline Responsibility	Biochemistry
Sample Type	24hr Urine (sulphuric acid preservative)
Sample Volume	10mL
Storage	Fridged
Meditech Code	HIAA
Other information required	Note 24hr urine volume in Meditech and on SAS form.
Postal Address	Dept of Clinical Biochemistry, LCL Clinical Support Services Building, Mount Vernon Street, Liverpool, L7 8YE
Contact Name	Anna Milan
Contact Telephone Number	0151 706 4755
Contact Email Address	anna.milan@rlbuht.nhs.uk
Dispatch	Local Transport
Turnaround Time	10 working days
External Website	

7-dehydrocholesterol (7-DHC)

Discipline Responsibility	Biochemistry
Sample Type	Plasma (EDTA)
Sample Volume	2mL
Storage	Fridged
Meditech Code	DHCHOL7
Other information required	Measurement of cholesterol should be performed prior to sending and result noted on SAS form.
Postal Address	Willink Biochemical Genetics Laboratory, Manchester Centre for Genomic Medicine, St. Mary's Hospital, Manchester University NHS Foundation Trust, Oxford Road, Manchester, M13 9WL.
Contact Name	Robert Gibson
Contact Telephone Number	0161 701 2137/8612
Contact Email Address	mft.willink-enquiries@nhs.net
Dispatch	First class post
Turnaround Time	4 weeks
External Website	

α -1-acid glycoprotein (orosomuroid)

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	2mL
Storage	Fridged
Meditech Code	AAG
Other information required	
Postal Address	PRU and Immunology Dept, Laboratory Medicine Building, North Lane, Northern General Hospital, Herries Road, Sheffield, S5 7AU.
Contact Name	Mr. Kevin Green
Contact Telephone Number	0114 271 5552
Contact Email Address	sht-tr.enquiriesPRUsheffield@nhs.net
Dispatch	DX Address: Protein Reference Unit, PO Box 894, Sheffield, S5 7YT. DX Number: 6261402
Turnaround Time	7 working days
External Website	https://pru-sheffield.org.uk/

α -1-antitrypsin (faecal) (FAAT)

Discipline Responsibility	Biochemistry
Sample Type	Faeces
Sample Volume	1g (formed stool)
Storage	Frozen
Meditech Code	AATF
Other information required	
Postal Address	Immunology Laboratory and Protein Reference Unit, SWLP, Ground Floor Jenner Wing, St George's Hospital, SW17 0QT.
Contact Name	Aimee Rhodes
Contact Telephone Number	0208 725 0025
Contact Email Address	stgh-tr.stgeorgespru@nhs.net
Dispatch	Send frozen
Turnaround Time	7 working days
External Website	https://www.swlpath.nhs.uk/home/what-we-do/pathology-services-handbook/

α -1-antitrypsin activity (AAT)

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	2mL
Storage	Fridged
Meditech Code	AAT
Other information required	Testing not valid within 2 weeks of blood transfusion.
Postal Address	PRU and Immunology Dept, Laboratory Medicine Building, North Lane, Northern General Hospital, Herries Road, Sheffield, S5 7AU.
Contact Name	Mr. Kevin Green
Contact Telephone Number	0114 271 5552
Contact Email Address	sht-tr.enquiriesPRUsheffield@nhs.net
Dispatch	DX Address: Protein Reference Unit, PO Box 894, Sheffield, S5 7YT. DX Number: 6261402
Turnaround Time	2 working days
External Website	https://pru-sheffield.org.uk/

α-1-antitrypsin genotyping (AAT)

Discipline Responsibility	Biochemistry
Sample Type	Whole Blood (EDTA)
Sample Volume	2mL
Storage	Fridged
Meditech Code	
Other information required	Testing not valid within 2 weeks of blood transfusion.
Postal Address	PRU and Immunology Dept, Laboratory Medicine Building, North Lane, Northern General Hospital, Herries Road, Sheffield, S5 7AU.
Contact Name	Mr. Kevin Green
Contact Telephone Number	0114 271 5552
Contact Email Address	sht-tr.enquiriesPRUsheffield@nhs.net
Dispatch	DX Address: Protein Reference Unit, PO Box 894, Sheffield, S5 7YT. DX Number: 6261402
Turnaround Time	28 working days
External Website	https://pru-sheffield.org.uk/

α -1-antitrypsin phenotyping (AAT)

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	2mL
Storage	Fridged
Meditech Code	A1AT
Other information required	Testing not valid within 2 weeks of blood transfusion.
Postal Address	PRU and Immunology Dept, Laboratory Medicine Building, North Lane, Northern General Hospital, Herries Road, Sheffield, S5 7AU.
Contact Name	Mr. Kevin Green
Contact Telephone Number	0114 271 5552
Contact Email Address	sht-tr.enquiriesPRUsheffield@nhs.net
Dispatch	DX Address: Protein Reference Unit, PO Box 894, Sheffield, S5 7YT. DX Number: 6261402
Turnaround Time	10 working days
External Website	https://pru-sheffield.org.uk/

α -2-macroglobulin

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	2mL
Storage	Fridged
Meditech Code	AMG
Other information required	
Postal Address	PRU and Immunology Dept, Laboratory Medicine Building, North Lane, Northern General Hospital, Herries Road, Sheffield, S5 7AU.
Contact Name	Mr. Kevin Green
Contact Telephone Number	0114 271 5552
Contact Email Address	sht-tr.enquiriesPRUsheffield@nhs.net
Dispatch	DX Address: Protein Reference Unit, PO Box 894, Sheffield, S5 7YT. DX Number: 6261402
Turnaround Time	7 working days
External Website	https://pru-sheffield.org.uk/

α -aminoadipic semialdehyde (AASA)

Discipline Responsibility	Biochemistry
Sample Type	Urine
Sample Volume	2mL
Storage	Frozen
Meditech Code	AASA
Other information required	
Postal Address	Biochemistry Department, Institute of Child Health, 30 Guildford Street, London, WC1N 1EH.
Contact Name	Prof. Peter Clayton
Contact Telephone Number	020 7905 2628
Contact Email Address	
Dispatch	Send frozen
Turnaround Time	8 weeks
External Website	https://www.ucl.ac.uk/child-health/research/genetics-and-genomic-medicine/biological-mass-spectrometry-centre/bioanalytical-services

α-galactosidase (Fabry disease)

Discipline Responsibility	Biochemistry
Sample Type	Whole Blood (EDTA)/Dried Bloodspot
Sample Volume	5mL
Storage	Fridged (whole blood)/Room temp (bloodspot)
Meditech Code	FABRY/ a-GAL
Other information required	DBS samples should be used as a screening test. Sample must reach referral lab within 72hrs of collection. Ideally samples should be collected Mon-Wed only.
Postal Address	Willink Biochemical Genetics Laboratory, Manchester Centre for Genomic Medicine, St. Mary's Hospital, Manchester University NHS Foundation Trust, Oxford Road, Manchester, M13 9WL.
Contact Name	Robert Gibson
Contact Telephone Number	0161 701 2137/8612
Contact Email Address	mft.willink-enquiries@nhs.net
Dispatch	Special delivery (whole blood)/First class post (bloodspot)
Turnaround Time	1 week
External Website	

α-glucosidase (Pompe disease)

Discipline Responsibility	Biochemistry
Sample Type	Whole Blood (EDTA)/Dried Bloodspot
Sample Volume	5mL
Storage	Fridged (whole blood)/Room temp (bloodspot)
Meditech Code	POMPE/ POMPE FOLLOW UP
Other information required	DBS samples should be used as a screening test. Sample must reach referral lab within 48hrs of collection. Ideally samples should be collected Mon-Wed only.
Postal Address	Willink Biochemical Genetics Laboratory, Manchester Centre for Genomic Medicine, St. Mary's Hospital, Manchester University NHS Foundation Trust, Oxford Road, Manchester, M13 9WL.
Contact Name	Robert Gibson
Contact Telephone Number	0161 701 2137/8612
Contact Email Address	mft.willink-enquiries@nhs.net
Dispatch	Special delivery (whole blood)/First class post (bloodspot)
Turnaround Time	2 weeks
External Website	

Active B12 (holotranscobalamin)

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	500uL
Storage	Fridged
Meditech Code	
Other information required	
Postal Address	Haemostasis and Thrombosis Department, 4th Floor, North Wing, St Thomas' Hospital, Westminster Bridge Road, London, SE1 7EH.
Contact Name	Robert Gibson
Contact Telephone Number	0207 188 6815
Contact Email Address	agata.malefora@viapath.co.uk
Dispatch	First class post
Turnaround Time	5 working days
External Website	

Acute Proyelocytic Leukaemia (APML)

Discipline Responsibility	Haematology
Sample Type	Bone Marrow
Sample Volume	8mL (Bone Marrow, EDTA) with 16mL (Blood, EDTA)
Storage	
Meditech Code	
Other information required	Samples need to be sent immediately by first class post (special delivery) as they are unsuitable after 24-48hrs. 20-30mL blood may also be required and should be specified at time of collection. Special request form should be completed.
Postal Address	Yashma Patel, Department of Haematology, University College, 2nd Floor, 60 Whitfield Street, London, W1T 4EU.
Contact Name	Dr. Yvonne Morgan
Contact Telephone Number	0207 188 1275
Contact Email Address	yvonne.g.morgan@gstt.nhs.uk
Dispatch	Special delivery (next day)
Turnaround Time	2 weeks
External Website	

Acylcarnitine (Post Mortem - Bile)

Discipline Responsibility	Biochemistry
Sample Type	Guthrie card, 2 full spots.
Sample Volume	
Storage	
Meditech Code	
Other information required	Bile with paired blood spot
Postal Address	Dept. of Clinical Chemistry and Newborn Screening, Sheffield Children's NHS Foundation Trust, Western Bank, Sheffield, S10 2TH.
Contact Name	
Contact Telephone Number	0114 271 7307
Contact Email Address	claire.hart10@nhs.net
Dispatch	First class post
Turnaround Time	4-6 weeks
External Website	

Acylcarnitine (Derivatised)

Discipline Responsibility	
Sample Type	Blood spot
Sample Volume	
Storage	Room temp
Meditech Code	
Other information required	Use only for confirmation of Newborn Screening results or other equivocal acylcarnitine profiles.
Postal Address	Willink Biochemical Genetics Laboratory, Manchester Centre for Genomic Medicine, St. Mary's Hospital, Manchester University NHS Foundation Trust, Oxford Road, Manchester, M13 9WL.
Contact Name	Teresa Wu
Contact Telephone Number	0161 701 2137/8612
Contact Email Address	mft.willink-enquiries@nhs.net
Dispatch	First class post
Turnaround Time	2 working weeks
External Website	

Acylcarnitine (Post Mortem - Blood)

Discipline Responsibility	Biochemistry
Sample Type	Dried Bloodspot
Sample Volume	Ideally 2 full spots
Storage	Room temp or fridged with desiccant
Meditech Code	ACYLCARN PM
Other information required	
Postal Address	Dept of Blood Sciences, Royal Victoria Infirmary, Queen Victoria Road, Newcastle Upon Tyne, Tyne and Wear, NE1 4LP.
Contact Name	Dr. Ann Bowron
Contact Telephone Number	0191 282 4566
Contact Email Address	annbowron@nhs.net
Dispatch	First class post
Turnaround Time	1 week
External Website	http://secure.newcastlelaboratories.com/test-directory/test/acyl-carnitines-blood/

Acylcarnitine (Urine)

Discipline Responsibility	
Sample Type	
Sample Volume	
Storage	
Meditech Code	
Other information required	Laboratory only measure urine carnitine in the investigation of primary carnitine deficiency. Please include plasma free carnitine result.
Postal Address	Test no longer available at Newcastle Hospital
Contact Name	
Contact Telephone Number	
Contact Email Address	
Dispatch	
Turnaround Time	
External Website	

ADAMTS-13

Discipline Responsibility	Haematology
Sample Type	Plasma (Citrated)
Sample Volume	500uL (3 aliquots)
Storage	Frozen
Meditech Code	
Other information required	Sample should be double spun.
Postal Address	Coagulation Department, Haematology, LCL Clinical Support Services Building, Mount Vernon Street, Liverpool, L7 8YE
Contact Name	Mariam Waite
Contact Telephone Number	0151 706 4967
Contact Email Address	mariam.waite@rlubt.nhs.uk
Dispatch	Send frozen
Turnaround Time	3 weeks
External Website	

Aldosterone

Discipline Responsibility	Biochemistry
Sample Type	Plasma (EDTA/Lithium Heparin)
Sample Volume	500uL
Storage	Frozen with 30mins of collection
Meditech Code	ALDO
Other information required	
Postal Address	Specialist Biochemistry, Level C, Lab and Path Block, Southampton General Hospital, Tremona Road, Southampton, SO16 6YD
Contact Name	Robert Stevens
Contact Telephone Number	02381 208717
Contact Email Address	uhs.labresults@nhs.net / DB uhs.dutybiochemist@nhs.net
Dispatch	Send frozen
Turnaround Time	5 working days
External Website	

Alloisoleucine

Discipline Responsibility	Biochemistry
Sample Type	Send original NBS screening sample.
Sample Volume	
Storage	Room temp
Meditech Code	
Other information required	For confirmation of Newborn Screening suspected MSUD
Postal Address	Willink Biochemical Genetics Laboratory, Manchester Centre for Genomic Medicine, St. Mary's Hospital, Manchester University NHS Foundation Trust, Oxford Road, Manchester, M13 9WL.
Contact Name	Teresa Wu
Contact Telephone Number	0161 701 2137/8612
Contact Email Address	mft.willink-enquiries@nhs.net
Dispatch	First class post
Turnaround Time	4 weeks
External Website	

Alkaline Phosphatase (ALP) Isoenzymes

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	1mL
Storage	Fridged
Meditech Code	ALPISO
Other information required	Test only required if ALP raised. Supply ALP result and reference range on SAS form.
Postal Address	Central Specimen Reception, c/o Clinical Biochemistry, Clinical Sciences Building 3, Manchester University NHS Foundation Trust, Oxford Road, Manchester, M13 9WL.
Contact Name	
Contact Telephone Number	Adult: 0161 701 8891 Paediatric: 0161 701 2255 (or 0161 276 1234 - bleep 8013)
Contact Email Address	duty.biochemist@mft.nhs.uk duty.paedbiochemist@mft.nhs.uk
Dispatch	First class post
Turnaround Time	3 weeks
External Website	

Alpha-subunit

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	300uL
Storage	Fridged (stable for 5 days)
Meditech Code	
Other information required	
Postal Address	Dept of Biochemistry, Queen Elizabeth Hospital Birmingham, Mindelsohn Way, Edgbaston, Birmingham, B15 2GW.
Contact Name	Briony Johnson
Contact Telephone Number	0121 371 6543
Contact Email Address	briony.johnson2@uhb.nhs.uk
Dispatch	First class post
Turnaround Time	15 working days
External Website	

Aluminium

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	
Storage	Fridged
Meditech Code	AL
Other information required	
Postal Address	Clinical Biochemistry Dept, City Hospital, Dudley Road, Birmingham, B18 7QH.
Contact Name	Nicola Barlow
Contact Telephone Number	0121 507 2947
Contact Email Address	info@cityassays.org.uk
Dispatch	
Turnaround Time	
External Website	

Amiodarone/Desethylamiodarone

Discipline Responsibility	Biochemistry
Sample Type	Plasma (EDTA, no gel)
Sample Volume	500uL
Storage	Fridged
Meditech Code	AMIO
Other information required	
Postal Address	Cardiff Toxicology Laboratories, The Academic Centre, University Hospital Llandough, Penarth, Vale of Glamorgan, CF64 2XX.
Contact Name	
Contact Telephone Number	029 2071 6894
Contact Email Address	
Dispatch	First class post
Turnaround Time	7 working days
External Website	

Amylase Isoenzymes/Macroamylase

Discipline Responsibility	Biochemistry
Sample Type	Serum/Plasma (Lithium Heparin)
Sample Volume	500uL
Storage	Frozen
Meditech Code	
Other information required	
Postal Address	Chemical Pathology Reception, Level 1, Camelia Botnar Building, Great Ormond Street Hospital, Great Ormond Street, London, WC1N 3JH
Contact Name	Katie Harvey
Contact Telephone Number	0207 762 6751/0207 405 9200 ext. 1785
Contact Email Address	BainbK@gosh.nhs.uk
Dispatch	Send frozen
Turnaround Time	5 weeks
External Website	

Amyloid A

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	2mL
Storage	Fridged
Meditech Code	AMYLOID
Other information required	
Postal Address	PRU and Immunology Dept, Laboratory Medicine Building, North Lane, Northern General Hospital, Herries Road, Sheffield, S5 7AU.
Contact Name	Mr. Kevin Green
Contact Telephone Number	0114 271 5552
Contact Email Address	sht-tr.enquiriesPRUsheffield@nhs.net
Dispatch	DX Address: Protein Reference Unit, PO Box 894, Sheffield, S5 7YT. DX Number: 6261402
Turnaround Time	7 working days
External Website	https://pru-sheffield.org.uk/

Androstenedione/ A4

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	250uL
Storage	Fridged
Meditech Code	ANDRO (DHEAS and Androstendione: DHEASA4)
Other information required	
Postal Address	Clinical Biochemistry, 4th Floor Pathology and Pharmacy Building, 80 Newark Street, Whitechapel, London, E1 2ES.
Contact Name	
Contact Telephone Number	020 7377 7000 - ext 61011
Contact Email Address	bhnt.clinbiochemadvice-barts@nhs.net
Dispatch	First class post
Turnaround Time	5 working days
External Website	https://www.eselpathology.nhs.uk/ download.cfm?doc=docm93jjjm4n5479

Angiotensin Converting Enzyme (ACE)

Discipline Responsibility	Biochemistry
Sample Type	Serum (preferred)/Plasma (Lithium Heparin)
Sample Volume	300uL
Storage	Frozen
Meditech Code	ACE
Other information required	Sample must be separated and frozen within 2hrs of collection.
Postal Address	Dept of Clinical Biochemistry, LCL Clinical Support Services Building, Mount Vernon Street, Liverpool, L7 8YE
Contact Name	Anna Milan
Contact Telephone Number	0151 706 4755
Contact Email Address	anna.milan@rlbuht.nhs.uk
Dispatch	Local Transport (frozen)
Turnaround Time	28 working days
External Website	

Angiotensin Converting Enzyme (ACE) (CSF)

Discipline Responsibility	Biochemistry
Sample Type	CSF
Sample Volume	500uL
Storage	Frozen
Meditech Code	CSF ACE
Other information required	
Postal Address	Neurometabolic Unit, 6th Floor, Institute of Neurology, Queen Square House, Queen Square, London WC1N 3BG
Contact Name	Mr. Nana Ghansah
Contact Telephone Number	0203 44 83835/83818
Contact Email Address	uclh.enquiry.neurometabolic@nhs.net
Dispatch	First class post
Turnaround Time	10 working days
External Website	

Anti-Acetylcholine Receptor Antibodies (ACHR)

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	50uL
Storage	Fridged
Meditech Code	ACRAB
Other information required	
Postal Address	Neuroimmunology, The Walton Centre NHS Foundation Trust, Lower Lane, Fazakerley, Liverpool, L9 7LJ
Contact Name	Mr. Edward Jackson
Contact Telephone Number	0151 556 3262
Contact Email Address	wcf-tr.neurobiochemistry@nhs.net
Dispatch	First class post
Turnaround Time	7 working days
External Website	https://www.thewaltoncentre.nhs.uk/neuroscience-laboratories.htm

Anti-Adrenal Antibodies

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	2mL
Storage	Fridged
Meditech Code	ADABS
Other information required	
Postal Address	PRU and Immunology Dept, Laboratory Medicine Building, North Lane, Northern General Hospital, Herries Road, Sheffield, S5 7AU.
Contact Name	Mr. Kevin Green
Contact Telephone Number	0114 271 5552
Contact Email Address	sht-tr.enquiriesPRUsheffield@nhs.net
Dispatch	DX Address: Protein Reference Unit, PO Box 894, Sheffield, S5 7YT. DX Number: 6261402
Turnaround Time	5 working days
External Website	https://pru-sheffield.org.uk/

Anti-C1q Antibodies

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	2mL
Storage	Fridged
Meditech Code	C1QABS
Other information required	
Postal Address	PRU and Immunology Dept, Laboratory Medicine Building, North Lane, Northern General Hospital, Herries Road, Sheffield, S5 7AU.
Contact Name	Mr. Kevin Green
Contact Telephone Number	0114 271 5552
Contact Email Address	sht-tr.enquiriesPRUsheffield@nhs.net
Dispatch	DX Address: Protein Reference Unit, PO Box 894, Sheffield, S5 7YT. DX Number: 6261402
Turnaround Time	10 working days
External Website	https://pru-sheffield.org.uk/

Anti-Cyclic Citrullinated (CCP) Antibodies

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	2mL
Storage	Fridged
Meditech Code	ANTI CCP
Other information required	
Postal Address	PRU and Immunology Dept, Laboratory Medicine Building, North Lane, Northern General Hospital, Herries Road, Sheffield, S5 7AU.
Contact Name	Mr. Kevin Green
Contact Telephone Number	0114 271 5552
Contact Email Address	sht-tr.enquiriesPRU@sheffield.nhs.net
Dispatch	DX Address: Protein Reference Unit, PO Box 894, Sheffield, S5 7YT. DX Number: 6261402
Turnaround Time	3 working days
External Website	https://pru-sheffield.org.uk/

Anti-fungal drugs (Flucytosine, Fluconazole, Itraconazole, Posconazole, Voriconazole)

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	50uL
Storage	Fridged
Meditech Code	VORICON/ POZACON/ FLUCON/ ITRACON
Other information required	
Postal Address	Mycology Reference Centre Manchester, 2nd Floor Laboratories, Education & Research Centre, Wythenshawe Hospital, Southmoor Road, Wythenshawe, Manchester, M23 9LT.
Contact Name	Nichola Duddy
Contact Telephone Number	0161 291 2124/5839
Contact Email Address	mrcm@mft.nhs.uk
Dispatch	DX Number: 332601, DX Exchange: Manchester 96 M
Turnaround Time	96 hours
External Website	

Anti-GAD Antibodies

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	2mL
Storage	Fridged
Meditech Code	GAD
Other information required	
Postal Address	PRU and Immunology Dept, Laboratory Medicine Building, North Lane, Northern General Hospital, Herries Road, Sheffield, S5 7AU.
Contact Name	Mr. Kevin Green
Contact Telephone Number	0114 271 5552
Contact Email Address	sht-tr.enquiriesPRUsheffield@nhs.net
Dispatch	DX Address: Protein Reference Unit, PO Box 894, Sheffield, S5 7YT. DX Number: 6261402
Turnaround Time	5 working days
External Website	https://pru-sheffield.org.uk/

Anti-Ganglioside Antibodies (including anti-glycolipid antibodies)

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	500uL
Storage	Fridged
Meditech Code	
Other information required	Anti-ganglioside antibody analysis includes anti-glycolipid antibodies analysis.
Postal Address	Neuroimmunology and CSF Laboratory, Institute of Neurology (NHNN) Box 76, Queen Square, London, WC1N 3BG.
Contact Name	Dr. Melanie Hart
Contact Telephone Number	020 3448 3812
Contact Email Address	uclh.enquiry.nhnn-nicl@nhs.net
Dispatch	First class post
Turnaround Time	10 working days
External Website	

Anti-IA2 Antibodies

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	2mL
Storage	Fridged
Meditech Code	IA2
Other information required	
Postal Address	PRU and Immunology Dept, Laboratory Medicine Building, North Lane, Northern General Hospital, Herries Road, Sheffield, S5 7AU.
Contact Name	Mr. Kevin Green
Contact Telephone Number	0114 271 5552
Contact Email Address	sht-tr.enquiriesPRU@sheffield.nhs.net
Dispatch	DX Address: Protein Reference Unit, PO Box 894, Sheffield, S5 7YT. DX Number: 6261402
Turnaround Time	10 working days
External Website	https://pru-sheffield.org.uk/

Anti-Insulin Antibodies

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	2mL
Storage	Fridged
Meditech Code	INSULINABS
Other information required	
Postal Address	PRU and Immunology Dept, Laboratory Medicine Building, North Lane, Northern General Hospital, Herries Road, Sheffield, S5 7AU.
Contact Name	Mr. Kevin Green
Contact Telephone Number	0114 271 5552
Contact Email Address	sht-tr.enquiriesPRUsheffield@nhs.net
Dispatch	DX Address: Protein Reference Unit, PO Box 894, Sheffield, S5 7YT. DX Number: 6261402
Turnaround Time	5 working days
External Website	https://pru-sheffield.org.uk/

Anti-Islet Cell Antibodies

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	2mL
Storage	Fridged
Meditech Code	ISLET
Other information required	NB. Since 1st July 2021, this test is no longer part of the diabetes auto-antibody panel test.
Postal Address	PRU and Immunology Dept, Laboratory Medicine Building, North Lane, Northern General Hospital, Herries Road, Sheffield, S5 7AU.
Contact Name	Mr. Kevin Green
Contact Telephone Number	0114 271 5552
Contact Email Address	sht-tr.enquiriesPRU@sheffield.nhs.net
Dispatch	DX Address: Protein Reference Unit, PO Box 894, Sheffield, S5 7YT. DX Number: 6261402
Turnaround Time	5 working days
External Website	https://pru-sheffield.org.uk/

Anti-MOG Antibodies

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	1mL
Storage	Fridged
Meditech Code	MOG
Other information required	
Postal Address	Immunology Department, Churchill Hospital, Churchill Drive, Old Road, Headington, Oxford, OX3 7LE.
Contact Name	
Contact Telephone Number	01865 225995
Contact Email Address	immunology.office@nhs.net
Dispatch	First class post
Turnaround Time	14 working days
External Website	

Anti-Mullerian Hormone (AMH)

Discipline Responsibility	Biochemistry
Sample Type	Serum/Plasma (Lithium Heparin)
Sample Volume	1mL
Storage	Frozen
Meditech Code	AMH
Other information required	
Postal Address	Central Specimen Reception, c/o Clinical Biochemistry, Clinical Sciences Building 3, Manchester University NHS Foundation Trust, Oxford Road, Manchester, M13 9WL.
Contact Name	
Contact Telephone Number	Adult: 0161 701 8891 Paediatric: 0161 701 2255 (or 0161 276 1234 - bleep 8013)
Contact Email Address	duty.biochemist@mft.nhs.uk duty.paedbiochemist@mft.nhs.uk
Dispatch	First class post
Turnaround Time	5 working days
External Website	

Anti-MuSK Antibodies

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	1mL
Storage	Fridged
Meditech Code	MUSK
Other information required	
Postal Address	Immunology Department, Churchill Hospital, Churchill Drive, Old Road, Headington, Oxford, OX3 7LE.
Contact Name	
Contact Telephone Number	01865 225995
Contact Email Address	immunology.office@nhs.net
Dispatch	First class post
Turnaround Time	14 working days
External Website	

Anti-Neuronal Antibodies (aka Anti-paraneoplastic antibodies)

Discipline Responsibility	Biochemistry
Sample Type	Serum or CSF
Sample Volume	50uL
Storage	Fridged
Meditech Code	ANEUROABS
Other information required	Serum is preferred sample type as CSF samples are rarely found to be positive. This test is also known as Anti-paraneoplastic antibodies.
Postal Address	Neuroimmunology, The Walton Centre NHS Foundation Trust, Lower Lane, Fazakerley, Liverpool, L9 7LJ
Contact Name	Mr. Edward Jackson
Contact Telephone Number	0151 556 3262
Contact Email Address	wcf-tr.neurobiochemistry@nhs.net
Dispatch	First class post
Turnaround Time	15 working days
External Website	https://www.thewaltoncentre.nhs.uk/neuroscience-laboratories.htm

Anti-Neutrophil Cytoplasmic Antibodies (ANCA)

Discipline Responsibility	Haematology
Sample Type	Serum
Sample Volume	1mL
Storage	Fridged
Meditech Code	
Other information required	
Postal Address	Immunology Department, LCL Clinical Support Services Building, Mount Vernon Street, Liverpool, L7 8YE
Contact Name	Catherine Keymer
Contact Telephone Number	0151 706 4355/4350
Contact Email Address	catherine.keymer@rlbuht.nhs.uk
Dispatch	Local Transport
Turnaround Time	48 hours
External Website	

Anti-NMDA Antibodies (Fixed)

Discipline Responsibility	Biochemistry
Sample Type	Serum with paired CSF
Sample Volume	1mL
Storage	Fridged
Meditech Code	NMDA
Other information required	
Postal Address	Immunology Department, Churchill Hospital, Churchill Drive, Old Road, Headington, Oxford, OX3 7LE.
Contact Name	
Contact Telephone Number	01865 225995
Contact Email Address	immunology.office@nhs.net
Dispatch	First class post
Turnaround Time	7 working days
External Website	

Anti-Nuclear Factor

Discipline Responsibility	Haematology
Sample Type	Serum
Sample Volume	1mL
Storage	Fridged
Meditech Code	
Other information required	
Postal Address	Immunology Department, LCL Clinical Support Services Building, Mount Vernon Street, Liverpool, L7 8YE
Contact Name	Catherine Keymer
Contact Telephone Number	0151 706 4355/4350
Contact Email Address	catherine.keymer@rlbuht.nhs.uk
Dispatch	Local Transport
Turnaround Time	48 hours
External Website	

Anti-Ovarian Antibodies

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	2mL
Storage	Fridged
Meditech Code	OVAB
Other information required	
Postal Address	PRU and Immunology Dept, Laboratory Medicine Building, North Lane, Northern General Hospital, Herries Road, Sheffield, S5 7AU.
Contact Name	Mr. Kevin Green
Contact Telephone Number	0114 271 5552
Contact Email Address	sht-tr.enquiriesPRUsheffield@nhs.net
Dispatch	DX Address: Protein Reference Unit, PO Box 894, Sheffield, S5 7YT. DX Number: 6261402
Turnaround Time	5 working days
External Website	https://pru-sheffield.org.uk/

Anti-Phospholipase A2 Receptor Antibodies (PLA2R)

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	2mL
Storage	Fridged
Meditech Code	
Other information required	
Postal Address	PRU and Immunology Dept, Laboratory Medicine Building, North Lane, Northern General Hospital, Herries Road, Sheffield, S5 7AU.
Contact Name	Mr. Kevin Green
Contact Telephone Number	0114 271 5552
Contact Email Address	sht-tr.enquiriesPRUsheffield@nhs.net
Dispatch	DX Address: Protein Reference Unit, PO Box 894, Sheffield, S5 7YT. DX Number: 6261402
Turnaround Time	2 weeks
External Website	https://pru-sheffield.org.uk/

Anti-Testicular Antibodies

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	2mL
Storage	Fridged
Meditech Code	TESTAB
Other information required	
Postal Address	PRU and Immunology Dept, Laboratory Medicine Building, North Lane, Northern General Hospital, Herries Road, Sheffield, S5 7AU.
Contact Name	Mr. Kevin Green
Contact Telephone Number	0114 271 5552
Contact Email Address	sht-tr.enquiriesPRU@sheffield.nhs.net
Dispatch	DX Address: Protein Reference Unit, PO Box 894, Sheffield, S5 7YT. DX Number: 6261402
Turnaround Time	5 working days
External Website	https://pru-sheffield.org.uk/

Anti-Thyroglobulin Antibodies (ATG)

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	2mL
Storage	Fridged
Meditech Code	THYROGLOBULIN
Other information required	The presence of thyroglobulin antibodies must be assessed when using the tumour marker thyroglobulin in patients with thyroid carcinoma, as they may interfere with the assay.
Postal Address	PRU and Immunology Dept, Laboratory Medicine Building, North Lane, Northern General Hospital, Herries Road, Sheffield, S5 7AU.
Contact Name	Mr. Kevin Green
Contact Telephone Number	0114 271 5552
Contact Email Address	sht-tr.enquiriesPRUsheffield@nhs.net
Dispatch	DX Address: Protein Reference Unit, PO Box 894, Sheffield, S5 7YT. DX Number: 6261402
Turnaround Time	5 working days
External Website	https://pru-sheffield.org.uk/

Anti-Thyroid Receptor Antibodies (TRAb)

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	300uL
Storage	Fridged
Meditech Code	TRAB
Other information required	
Postal Address	Dept of Clinical Biochemistry, LCL Clinical Support Services Building, Mount Vernon Street, Liverpool, L7 8YE
Contact Name	Anna Milan
Contact Telephone Number	0151 706 4755
Contact Email Address	anna.milan@rlbuht.nhs.uk
Dispatch	Local Transport
Turnaround Time	7 working days
External Website	

Anti-TNF alpha drugs (Infliximab/Adalimumab/Vedolizumab)

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	300uL
Storage	Fridged
Meditech Code	INFLIXMAB/ ADALIMUMAB/ VEDOLIZUMAB
Other information required	Please ensure both drug and antibody levels are detailed on SAS request form.
Postal Address	Blood Sciences Template A2, Royal Devon and Exeter NHS Foundation Trust, Barrack Road, Exeter, EX2 5DW.
Contact Name	Adrian Cudmore
Contact Telephone Number	01392 402935
Contact Email Address	rde-tr.biochem@nhs.net
Dispatch	First class post
Turnaround Time	10 working days
External Website	

Anti-Voltage Gated Calcium Channel Antibodies

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	1mL
Storage	Fridged
Meditech Code	VGCC
Other information required	
Postal Address	Immunology Department, Churchill Hospital, Churchill Drive, Old Road, Headington, Oxford, OX3 7LE.
Contact Name	
Contact Telephone Number	01865 225995
Contact Email Address	immunology.office@nhs.net
Dispatch	First class post
Turnaround Time	21 working days
External Website	

Anti-Voltage Gated Potassium Channel Antibodies (includes 'Anti-LGI1 Abs & Anti-CASPR2 Abs)

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	1mL
Storage	Fridged
Meditech Code	VGKC
Other information required	Updated to reflect Oxofrd lab change 19/10/20 to add anti Caspr2 and aLGI1 abs
Postal Address	Immunology Department, Churchill Hospital, Churchill Drive, Old Road, Headington, Oxford, OX3 7LE.
Contact Name	
Contact Telephone Number	01865 225995
Contact Email Address	immunology.office@nhs.net
Dispatch	First class post
Turnaround Time	14 working days
External Website	

Anti-Zinc Transporter 8 (ZnT8) Antibodies

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	5mL
Storage	Fridged
Meditech Code	ZNT8
Other information required	
Postal Address	PRU and Immunology Dept, Laboratory Medicine Building, North Lane, Northern General Hospital, Herries Road, Sheffield, S5 7AU.
Contact Name	Mr. Kevin Green
Contact Telephone Number	0114 271 5552
Contact Email Address	sht-tr.enquiriesPRUsheffield@nhs.net
Dispatch	DX Address: Protein Reference Unit, PO Box 894, Sheffield, S5 7YT. DX Number: 6261402
Turnaround Time	5 working days
External Website	https://pru-sheffield.org.uk/

APML (MRD Patients)

Discipline Responsibility	Haematology
Sample Type	Bone Marrow
Sample Volume	Paied BM (5mL EDTA), PB (20mL EDTA)
Storage	
Meditech Code	
Other information required	Also send appropriate BM ti Lynn Quek in Paresb Vyas Lab: Tissue Bank Technician, Room 320 MHU, Weatherall Inst Mol Med, John Ratcliffe.
Postal Address	Molecular Oncology Diagnostics Unit, GSTS Pathology, 4th Floor, Guys Hospital, Great Maze Pond, London, SE1 9RT.
Contact Name	Dr. Yvonne Morgan
Contact Telephone Number	0207 188 7188 ext. 51060
Contact Email Address	yvonne.g.morgan@gstt.nhs.uk
Dispatch	Special delivery (next day)
Turnaround Time	
External Website	

Apo E genotyping

Discipline Responsibility	Biochemistry
Sample Type	Whole Blood (EDTA)
Sample Volume	10-30mL
Storage	Fridged
Meditech Code	
Other information required	
Postal Address	North Scotland Genetic Laboratory, Polwarth Building, Foresterhill, Aberdeen, AB25 2ZD.
Contact Name	Caroline Clark
Contact Telephone Number	0122 455 3983
Contact Email Address	
Dispatch	First class post
Turnaround Time	28 working days
External Website	

Apolipoprotein A-1

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	2mL
Storage	Fridged
Meditech Code	
Other information required	
Postal Address	Dept.of Clinical Biochemistry, MacEwan Building, Glasgow Royal Infirmary, Castle Street, Glasgow, G4 0SF
Contact Name	
Contact Telephone Number	0141 211 4003/4004
Contact Email Address	
Dispatch	First class post
Turnaround Time	1 week
External Website	

Apolipoprotein B

Discipline Responsibility	Biochemistry
Sample Type	Plasma (EDTA)
Sample Volume	2mL
Storage	Fridged
Meditech Code	
Other information required	
Postal Address	Dept.of Clinical Biochemistry, MacEwan Building, Glasgow Royal Infirmary, Castle Street, Glasgow, G4 0SF
Contact Name	
Contact Telephone Number	0141 211 4003/4004
Contact Email Address	
Dispatch	First class post
Turnaround Time	1 week
External Website	

Aquaporin 4 Antibodies (NMO)

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	1mL
Storage	Fridged
Meditech Code	NMOAB
Other information required	
Postal Address	Immunology Department, Churchill Hospital, Churchill Drive, Old Road, Headington, Oxford, OX3 7LE.
Contact Name	
Contact Telephone Number	01865 225995
Contact Email Address	immunology.office@nhs.net
Dispatch	First class post
Turnaround Time	14 working days
External Website	

Arsenic

Discipline Responsibility	Biochemistry
Sample Type	Whole Blood (EDTA or Lithium Heparin)/Urine
Sample Volume	500uL (blood)/1mL (urine)
Storage	Fridged
Meditech Code	
Other information required	Provide urine creatinine result. (Cost £3.50 if measured at referral lab).
Postal Address	Trace Element Unit, Southampton General Hospital, Tremona Road, Southampton, SO16 6YD.
Contact Name	Christine Sieniawska
Contact Telephone Number	02387 206675
Contact Email Address	uhs.dutybiochemist@nhs.net
Dispatch	First class post
Turnaround Time	5 working days
External Website	

Auto Antibodies

Discipline Responsibility	Haematology
Sample Type	Serum
Sample Volume	1mL
Storage	Fridged
Meditech Code	
Other information required	
Postal Address	Immunology Department, LCL Clinical Support Services Building, Mount Vernon Street, Liverpool, L7 8YE
Contact Name	Catherine Keymer
Contact Telephone Number	0151 706 4355/4350
Contact Email Address	catherine.keymer@rlbuht.nhs.uk
Dispatch	Local Transport
Turnaround Time	48 hours
External Website	

β2-glycoprotein 1 antibodies IgG and IgM (B2GP)

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	2mL
Storage	Fridged
Meditech Code	BCAROT
Other information required	
Postal Address	PRU and Immunology Dept, Laboratory Medicine Building, North Lane, Northern General Hospital, Herries Road, Sheffield, S5 7AU.
Contact Name	Mr. Kevin Green
Contact Telephone Number	0114 271 5552
Contact Email Address	sht-tr.enquiriesPRUsheffield@nhs.net
Dispatch	DX Address: Protein Reference Unit, PO Box 894, Sheffield, S5 7YT. DX Number: 6261402
Turnaround Time	5 working days
External Website	https://pru-sheffield.org.uk/

β2-microglobulin (B2M)

Discipline Responsibility	Biochemistry
Sample Type	Serum/Urine (adjusted to pH>6 with 0.1M NaOH)
Sample Volume	2mL (serum)/20mL (urine)
Storage	Fridged
Meditech Code	ANTI B2 GP1 IGG/ ANTI B2 GP1 IGM
Other information required	
Postal Address	PRU and Immunology Dept, Laboratory Medicine Building, North Lane, Northern General Hospital, Herries Road, Sheffield, S5 7AU.
Contact Name	Mr. Kevin Green
Contact Telephone Number	0114 271 5552
Contact Email Address	sht-tr.enquiriesPRUsheffield@nhs.net
Dispatch	DX Address: Protein Reference Unit, PO Box 894, Sheffield, S5 7YT. DX Number: 6261402
Turnaround Time	2 working days
External Website	https://pru-sheffield.org.uk/

β-carotene

Discipline Responsibility	Biochemistry
Sample Type	Serum/Plasma (Lithium Heparin)
Sample Volume	1mL
Storage	Frozen
Meditech Code	B2MGU
Other information required	
Postal Address	Department of Chemical Pathology, St. Helier Hospital, Wrythe Lane, Carshalton, Surrey, SM5 1AA.
Contact Name	Helen Johnstone
Contact Telephone Number	020 8296 2825
Contact Email Address	Est-tr.chempathESTH@nhs.net
Dispatch	Send frozen
Turnaround Time	14 days
External Website	

β-trace protein (BTP) (1st line screening test for investigation replacing previously used Beta 2 transferrin test)

Discipline Responsibility	Biochemistry
Sample Type	Fluid
Sample Volume	10uL
Storage	Fridged
Meditech Code	BTPCSF
Other information required	Paired serum sample preferred. Fluid samples received without a paired serum will be processed but it may only be possible to provide a limited interpretation.
Postal Address	Neuroimmunology, The Walton Centre NHS Foundation Trust, Lower Lane, Fazakerley, Liverpool, L9 7LJ
Contact Name	
Contact Telephone Number	0151 556 3262
Contact Email Address	wcf-tr.neurobiochemistry@nhs.net
Dispatch	Local Transport/First class post
Turnaround Time	2 working days
External Website	https://www.thewaltoncentre.nhs.uk/neuroscience-laboratories.htm

Basal Ganglia Antibodies

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	500uL
Storage	Fridged
Meditech Code	BASALGABS
Other information required	
Postal Address	Neuroimmunology and CSF Laboratory, Institute of Neurology (NHNN) Box 76, Queen Square, London, WC1N 3BG.
Contact Name	Dr. Melanie Hart
Contact Telephone Number	020 3448 3812
Contact Email Address	uclh.enquiry.nhnn-nicl@nhs.net
Dispatch	First class post
Turnaround Time	10 working days
External Website	

Battens Disease (Neuronal Ceroid Lipofuscinoses (NCL))

Discipline Responsibility	
Sample Type	Whole blood (EDTA)
Sample Volume	3 mls
Storage	Room temp (can be stored refridgerated for 72 hrs max (if received on Friday pm))
Meditech Code	
Other information required	
Postal Address	Willink Biochemical Genetics Laboratory, Manchester Centre for Genomic Medicine, St. Mary's Hospital, Manchester University NHS Foundation Trust, Oxford Road, Manchester, M13 9WL.
Contact Name	Heather Church / Karen Tylee
Contact Telephone Number	0161 701 2137/8612
Contact Email Address	mft.willink-enquiries@nhs.net
Dispatch	
Turnaround Time	3 weeks
External Website	

BCR ABL Gene

Discipline Responsibility	Haematology
Sample Type	Whole Blood (EDTA)
Sample Volume	4mL
Storage	Fridged
Meditech Code	
Other information required	
Postal Address	Haematology Department, LCL Clinical Support Services Building, Mount Vernon Street, Liverpool, L7 8YE
Contact Name	
Contact Telephone Number	
Contact Email Address	
Dispatch	Local Transport
Turnaround Time	
External Website	

Bence Jones Protein / Urine Free Light Chains (FLC)

Discipline Responsibility	Biochemistry
Sample Type	Early morning urine sample / 24 hr urine (no preservative)
Sample Volume	20 mls (random)
Storage	Fridged
Meditech Code	
Other information required	
Postal Address	PRU and Immunology Dept, Laboratory Medicine Building, North Lane, Northern General Hospital, Herries Road, Sheffield, S5 7AU.
Contact Name	Mr. Kevin Green
Contact Telephone Number	0114 271 5552
Contact Email Address	sht-tr.enquiriesPRUsheffield@nhs.net
Dispatch	DX Address: Protein Reference Unit, PO Box 894, Sheffield, S5 7YT. DX Number: 6261402
Turnaround Time	5 working days
External Website	https://pru-sheffield.org.uk/

Bile acids (plasma)

Discipline Responsibility	Biochemistry
Sample Type	Plasma (Lithium Heparin)
Sample Volume	1mL
Storage	Frozen
Meditech Code	BILEAP
Other information required	
Postal Address	Dept. of Clinical Chemistry and Newborn Screening, Sheffield Children's NHS Foundation Trust, Western Bank, Sheffield, S10 2TH.
Contact Name	
Contact Telephone Number	0114 271 7307
Contact Email Address	claire.hart10@nhs.net
Dispatch	First class post
Turnaround Time	6 weeks
External Website	

Bile acids (urine)

Discipline Responsibility	Biochemistry
Sample Type	Urine
Sample Volume	2mL
Storage	Frozen
Meditech Code	BILEAU
Other information required	
Postal Address	Dept. of Clinical Chemistry and Newborn Screening, Sheffield Children's NHS Foundation Trust, Western Bank, Sheffield, S10 2TH.
Contact Name	Claire Hart
Contact Telephone Number	0114 271 7307
Contact Email Address	claire.hart10@nhs.net
Dispatch	First class post
Turnaround Time	6 weeks
External Website	

Biopterin including dihydropteridine reductase (DHPR)

Discipline Responsibility	Biochemistry
Sample Type	Dried Bloodspot
Sample Volume	6 spots
Storage	Room temp
Meditech Code	BIOP
Other information required	Please include phenylalanine result on request form to aid result interpretation. Not valid within 6 weeks of a blood transfusion.
Postal Address	Newborn Screening and Biochemical Genetics, Birmingham Children's Hospital, Steelhouse Lane, B4 6DH.
Contact Name	Philippa Goddard
Contact Telephone Number	0121 333 9905
Contact Email Address	nsbg.bch@nhs.net
Dispatch	First class post
Turnaround Time	15 working days
External Website	

Biotinidase

Discipline Responsibility	Biochemistry
Sample Type	Plasma
Sample Volume	250uL
Storage	Frozen
Meditech Code	BIOT
Other information required	
Postal Address	Dept of Blood Sciences, Royal Victoria Infirmary, Queen Victoria Road, Newcastle Upon Tyne, Tyne and Wear, NE1 4LP.
Contact Name	Dr. Ann Bowron
Contact Telephone Number	0191 282 4566
Contact Email Address	annbowron@nhs.net
Dispatch	Send frozen
Turnaround Time	4 weeks
External Website	http://secure.newcastlelaboratories.com/test-directory/test/biotinidase-plasma/

Bone specific ALP

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	500uL
Storage	Frozen
Meditech Code	BONE ALP
Other information required	
Postal Address	Eastern Pathology Alliance, Laboratory Medicine East Block, Level 1, Norfolk and Norwich University NHS Foundation Trust, Colney Lane, Norwich, NR4 7UY.
Contact Name	Dr. Allison Chipchase
Contact Telephone Number	01603 287945
Contact Email Address	nnu-tr.nnuhdutybiochemist@nhs.net ; nnuh.labmedresults@nnuh.nhs.uk
Dispatch	First class post
Turnaround Time	6 weeks
External Website	

Bromide

Discipline Responsibility	Biochemistry
Sample Type	Serum (plain) NB. Gel/clot activity/any form of anti-coagulant tubes are NOT acceptable.
Sample Volume	
Storage	Fridged
Meditech Code	
Other information required	Samples should be centrifuged and stored at 4 degrees C prior to sending Only for use in patients on Tazemetostat requiring bromide monitoring. Bromide salt potential toxic levels > 15.6 mmol/L Significant toxicity >35 mmol/L
Postal Address	Clinical Biochemistry Dept, City Hospital, Dudley Road, Birmingham, B18 7QH.
Contact Name	Nicola Barlow
Contact Telephone Number	0151 507 3517 / 2947
Contact Email Address	nicola.barlow1@nhs.net
Dispatch	First class post
Turnaround Time	3 working days
External Website	

C3 Nephritic Factor (C3NEF)

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	2mL
Storage	Frozen
Meditech Code	C3NF
Other information required	
Postal Address	PRU and Immunology Dept, Laboratory Medicine Building, North Lane, Northern General Hospital, Herries Road, Sheffield, S5 7AU.
Contact Name	Mr. Kevin Green
Contact Telephone Number	0114 271 5552
Contact Email Address	sht-tr.enquiriesPRU@sheffield.nhs.net
Dispatch	DX Address: Protein Reference Unit, PO Box 894, Sheffield, S5 7YT. DX Number: 6261402
Turnaround Time	10 working days
External Website	https://pru-sheffield.org.uk/

Cadmium (Blood)

Discipline Responsibility	Biochemistry
Sample Type	Whole Blood (EDTA)
Sample Volume	2mL
Storage	Fridged
Meditech Code	
Other information required	
Postal Address	Clinical Biochemistry Dept, City Hospital, Dudley Road, Birmingham, B18 7QH.
Contact Name	
Contact Telephone Number	0121 507 5345
Contact Email Address	BCPSpathology.info@nhs.net
Dispatch	First class post
Turnaround Time	5 working days
External Website	

Cadmium (Urine)

Discipline Responsibility	Biochemistry
Sample Type	Urine
Sample Volume	20mL
Storage	Fridged
Meditech Code	
Other information required	
Postal Address	Clinical Biochemistry Dept, City Hospital, Dudley Road, Birmingham, B18 7QH.
Contact Name	
Contact Telephone Number	0121 507 5345
Contact Email Address	BCPSpathology.info@nhs.net
Dispatch	First class post
Turnaround Time	5 working days
External Website	

Calcitonin

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	1mL
Storage	Frozen
Meditech Code	CALC
Other information required	Samples should be collected on ice and separated within 30 mins of collection.
Postal Address	SAS Endocrine Laboratory, Ground Floor Specimen Reception, Clinical Biochemistry, Charing Cross Hospital, Fulham Palace Road, London, W6 8RF.
Contact Name	Dr. Emma Walker
Contact Telephone Number	020 311 30348/020 331 35910
Contact Email Address	ICHC-tr.pathologyqueries@nhs.net
Dispatch	Send frozen
Turnaround Time	1 week
External Website	

Carbamazepine

Discipline Responsibility	Biochemistry
Sample Type	Serum (preferred)/Plasma
Sample Volume	500uL
Storage	Stable for 2 days at RT, 7 days at 2-8C or 4 weeks at -20C
Meditech Code	CBZ
Other information required	
Postal Address	Dept of Clinical Biochemistry, LCL Clinical Support Services Building, Mount Vernon Street, Liverpool, L7 8YE
Contact Name	Anna Milan
Contact Telephone Number	0151 706 4011
Contact Email Address	anna.milan@rlbuht.nhs.uk
Dispatch	Local Transport
Turnaround Time	<72 hrs
External Website	

Carbohydrate deficient transferrin (CDT)

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	2mL
Storage	Fridged
Meditech Code	
Other information required	
Postal Address	PRU and Immunology Dept, Laboratory Medicine Building, North Lane, Northern General Hospital, Herries Road, Sheffield, S5 7AU.
Contact Name	Mr. Kevin Green
Contact Telephone Number	0114 271 5552
Contact Email Address	sht-tr.enquiriesPRUsheffield@nhs.net
Dispatch	DX Address: Protein Reference Unit, PO Box 894, Sheffield, S5 7YT. DX Number: 6261402
Turnaround Time	5 working days
External Website	https://pru-sheffield.org.uk/

Cardiolipin/Monocardiolipin) (Barth's Syndrome)

Discipline Responsibility	Biochemistry
Sample Type	Dried bloodspot
Sample Volume	2 spots, ideally 4 spots
Storage	Room temp
Meditech Code	CARDIOLIPIN
Other information required	
Postal Address	Neurometabolic Unit, 6th Floor, Institute of Neurology, Queen Square House, Queen Square, London WC1N 3BG
Contact Name	
Contact Telephone Number	0203 44 83835/83818
Contact Email Address	uclh.enquiry.neurometabolic@nhs.net
Dispatch	First class post
Turnaround Time	
External Website	

CH100/AP100

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	4mL
Storage	Frozen
Meditech Code	CH100
Other information required	Sample must reach referral lab within 24hrs of collection so ideally samples should be collected Mon-Wed only. If sample to be sent next working day, separate and freeze sample immediately upon receipt . Sample should remain frozen until receipt at referral lab. Haemolysed samples are unsuitable.
Postal Address	Greater Manchester Immunology Service, Manchester Royal Infirmary, Oxford Road, Manchester, M13 9WL.
Contact Name	Hannah Holland
Contact Telephone Number	0161 276 6440
Contact Email Address	hannah.holland@mft.nhs.uk
Dispatch	Send frozen
Turnaround Time	6 working days
External Website	

Chimerism Studies (Manchester Transplant Lab)

Discipline Responsibility	Haematology
Sample Type	EDTA
Sample Volume	5mL
Storage	Fridged
Meditech Code	
Other information required	
Postal Address	Transplant Laboratory, 2nd Floor, Purple Zone, Manchester Royal Infirmary, Oxford Road, Manchester, M13 9WL.
Contact Name	Julie Johnson
Contact Telephone Number	0161 276 6397
Contact Email Address	julie.johnson2@mft.nhs.uk
Dispatch	Special delivery (next day)
Turnaround Time	
External Website	

Chimerism Studies (RLUH only check)

Discipline Responsibility	Haematology
Sample Type	EDTA
Sample Volume	5mL
Storage	Fridged
Meditech Code	
Other information required	All sample should be accompanied by a form detailing the donor. If no form, contact Helen Webster for details.
Postal Address	Immunology Department, LCL Clinical Support Services Building, Mount Vernon Street, Liverpool, L7 8YE
Contact Name	Catherine Keymer
Contact Telephone Number	0151 706 4355/4350
Contact Email Address	catherine.keymer@rlbuht.nhs.uk
Dispatch	Local Transport
Turnaround Time	1 weeks
External Website	

Cholestanol

Discipline Responsibility	Biochemistry
Sample Type	Plasma (Lithium Heparin)
Sample Volume	1mL
Storage	Frozen
Meditech Code	
Other information required	
Postal Address	Dept. of Clinical Chemistry and Newborn Screening, Sheffield Children's NHS Foundation Trust, Western Bank, Sheffield, S10 2TH.
Contact Name	Claire Hart
Contact Telephone Number	0114 271 7307
Contact Email Address	claire.hart10@nhs.net
Dispatch	First class post
Turnaround Time	6 weeks
External Website	

Cholinesterase/pseudocholinesterase

Discipline Responsibility	Biochemistry
Sample Type	Serum/Plasma (Lithium Heparin)
Sample Volume	1mL
Storage	Frozen
Meditech Code	CHOLINEST
Other information required	
Postal Address	Central Specimen Reception, c/o Clinical Biochemistry, Clinical Sciences Building 3, Manchester University NHS Foundation Trust, Oxford Road, Manchester, M13 9WL.
Contact Name	
Contact Telephone Number	Adult: 0161 701 8891 Paediatric: 0161 701 2255 (or 0161 276 1234 - bleep 8013)
Contact Email Address	duty.biochemist@mft.nhs.uk duty.paedbiochemist@mft.nhs.uk
Dispatch	Send frozen
Turnaround Time	4 weeks
External Website	

Chromosome Studies

Discipline Responsibility	Haematology
Sample Type	Lithium Heparin
Sample Volume	1-5mL
Storage	
Meditech Code	
Other information required	
Postal Address	Cytogenetics Department, Liverpool Woman's Hospital, Crown Street, Liverpool, L8 7SS
Contact Name	Dr. Peter Howard
Contact Telephone Number	0151 702 4234
Contact Email Address	
Dispatch	Local Transport
Turnaround Time	
External Website	

Citrate

Discipline Responsibility	Biochemistry
Sample Type	Urine (random/24hr) (acidified or plain)
Sample Volume	10mL
Storage	Fridged
Meditech Code	UCITRATE
Other information required	Note whether random or 24hr urine collection on Meditech and SAS form. If 24hr urine, also note urine volume.
Postal Address	Clinical Biochemistry, 60 Whitfield Street, London, W1T 4EU.
Contact Name	Krithika Subramaniam
Contact Telephone Number	0203 447 9405
Contact Email Address	uclh.enquiry.biochemhelpdesk@nhs.net
Dispatch	DX Number: 6630800, DX Exchange: TOTTENHAM CT RD 90W
Turnaround Time	5 working days
External Website	

Clobazam/Desmethyloclobazam

Discipline Responsibility	Biochemistry
Sample Type	Serum/Plasma (Lithium Heparin)
Sample Volume	200uL
Storage	Fridged
Meditech Code	CLOBAZAM
Other information required	Ideal sampling time is immediately before next dose. An Antiepileptic Drug Form (NSE01 3/13) is available to be downloaded from the Epilepsy Society website: http://www.epilepsysociety.org.uk/ and must be completed prior to sample collection.
Postal Address	Therapeutic Drug Monitoring Unit (TDM Unit), Chalfont Centre for Epilepsy, Chesham Lane, Chalfont St Peter, SL9 0RJ.
Contact Name	
Contact Telephone Number	01494 601423
Contact Email Address	TDM_Unit@epilepsysociety.org.uk
Dispatch	First class post
Turnaround Time	3 working days
External Website	

Coagulation Molecular Genetics

Discipline Responsibility	Haematology
Sample Type	EDTA
Sample Volume	5mL
Storage	Fridged
Meditech Code	
Other information required	Includes: FVIII, FIX, VW. Other coagulation factors maybe requested. Requests should be accompanied by a letter with signed consent. If letter has space for lab data and data not yet available, then photocopy and file letter in 'Molecular Genetics Forms and Letter' box in Coag. Lab. Mark original letter with 'results to follow'.
Postal Address	Sheffield Molecular Genetics Service, Sheffield Children's NHS Foundation Trust, Western Bank, Sheffield, S10 2TH.
Contact Name	Dr. A Goodeve
Contact Telephone Number	0114 271 7003
Contact Email Address	
Dispatch	First class post
Turnaround Time	
External Website	

Collagen type-1 cross linked C-telopeptide (CTX)

Discipline Responsibility	Biochemistry
Sample Type	Plasma (EDTA)
Sample Volume	500uL
Storage	Frozen
Meditech Code	CTX
Other information required	
Postal Address	Eastern Pathology Alliance, Laboratory Medicine East Block, Level 1, Norfolk and Norwich University NHS Foundation Trust, Colney Lane, Norwich, NR4 7UY.
Contact Name	Dr. Allison Chipchase
Contact Telephone Number	01603 287945
Contact Email Address	nnu-tr.nnuhdutybiochemist@nhs.net ; nnuh.labmedresults@nnuh.nhs.uk
Dispatch	Send frozen
Turnaround Time	2 weeks
External Website	

Collagen type-1 cross linked N-telopeptide (NTX)

Discipline Responsibility	Biochemistry
Sample Type	Urine
Sample Volume	5mL
Storage	Fridge
Meditech Code	NTX
Other information required	Ideally second void of the day. Samples should be protected from light.
Postal Address	Eastern Pathology Alliance, Laboratory Medicine East Block, Level 1, Norfolk and Norwich University NHS Foundation Trust, Colney Lane, Norwich, NR4 7UY.
Contact Name	Dr. Allison Chipchase
Contact Telephone Number	01603 287945
Contact Email Address	nnu-tr.nnuhdutybiochemist@nhs.net ; nnuh.labmedresults@nnuh.nhs.uk
Dispatch	First class post
Turnaround Time	6 weeks
External Website	

Complement C1q

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	2mL
Storage	Frozen
Meditech Code	C1Q
Other information required	
Postal Address	PRU and Immunology Dept, Laboratory Medicine Building, North Lane, Northern General Hospital, Herries Road, Sheffield, S5 7AU.
Contact Name	Mr. Kevin Green
Contact Telephone Number	0114 271 5552
Contact Email Address	sht-tr.enquiriesPRUsheffield@nhs.net
Dispatch	DX Address: Protein Reference Unit, PO Box 894, Sheffield, S5 7YT. DX Number: 6261402
Turnaround Time	20 working days
External Website	https://pru-sheffield.org.uk/

Constitutional DNA Storage/Molecular Genetics

Discipline Responsibility	Haematology
Sample Type	EDTA
Sample Volume	5-10mL (DNA storage), 2-5mL (molecular genetics)
Storage	Fridged
Meditech Code	
Other information required	If cytogenetics and DNA storage are requested together, then two separate samples are required.
Postal Address	Merseyside and Cheshire Regional Genetics Laboratory, Liverpool Woman's Hospital NHS Trust, Crown Street, Liverpool, L8 7SS.
Contact Name	Mr Roger Mountford
Contact Telephone Number	0151 702 4228
Contact Email Address	dna.liverpool@nhs.net
Dispatch	Local Transport
Turnaround Time	4 weeks
External Website	

Copeptin

Discipline Responsibility	Biochemistry
Sample Type	Serum/Plasma
Sample Volume	500uL
Storage	Stable for 7 days at RT, 14 days at 2-8oC.
Meditech Code	COPEPTIN
Other information required	Copeptin results are of most value when under taken under osmotic stimulus. Please include clinical details and concurrent urine and plasma sodium and osmolality results on SAS form.
Postal Address	Dept of Blood Sciences, Royal Victoria Infirmary, Queen Victoria Road, Newcastle Upon Tyne, Tyne and Wear, NE1 4LP.
Contact Name	Dr. Chris Boot
Contact Telephone Number	0191 282 4153
Contact Email Address	christopher.boot@nuth.nhs.uk
Dispatch	First class post
Turnaround Time	4 weeks
External Website	

Cortisol (urine)

Discipline Responsibility	Biochemistry
Sample Type	24hr Urine
Sample Volume	10mL
Storage	Fridged
Meditech Code	UCORT
Other information required	Note 24hr urine volume in Meditech and on SAS form.
Postal Address	Dept of Clinical Biochemistry, LCL Clinical Support Services Building, Mount Vernon Street, Liverpool, L7 8YE
Contact Name	Anna Milan
Contact Telephone Number	0151 706 4755
Contact Email Address	anna.milan@rlbuht.nhs.uk
Dispatch	Local Transport
Turnaround Time	14 working days
External Website	

Cortisol (mass spec)

Discipline Responsibility	Biochemistry
Sample Type	Serum / Plasma
Sample Volume	50uL
Storage	Separate and store in fridge or freezer
Meditech Code	CORTISOL MS
Other information required	
Postal Address	Dept of Biochemistry, Clinical Sciences Building, Wythenshawe Hospital, Manchester University NHS Foundation Trust, Southmoor Road, Wythenshawe, Manchester M23 9LT.
Contact Name	James Hawley
Contact Telephone Number	0161 291 2136
Contact Email Address	mft.biochemistry.wythenshawe@nhs.net
Dispatch	First class post
Turnaround Time	4 working days - <24hrs if urgent and ir prior discussion with Duty Biochemist
External Website	

Cortisol and Cortisone (saliva)

Discipline Responsibility	Biochemistry
Sample Type	Saliva
Sample Volume	125uL
Storage	Fridged
Meditech Code	EMSC
Other information required	
Postal Address	Dept of Biochemistry, Clinical Sciences Building, Wythenshawe Hospital, Manchester University NHS Foundation Trust, Southmoor Road, Wythenshawe, Manchester M23 9LT.
Contact Name	
Contact Telephone Number	0161 291 2136
Contact Email Address	mft.biochemistry.wythenshawe@nhs.net
Dispatch	First class post
Turnaround Time	Not stated
External Website	

Cryoglobulin

Discipline Responsibility	Biochemistry
Sample Type	2x 2ml EDTA and 2x 2ml serum at 370C
Sample Volume	2mL
Storage	Fridged
Meditech Code	CRYOGLOB
Other information required	Separate samples at 35 - 41 0C and send at ambient temperature. Store at 4 0C if not sending on day of separation.
Postal Address	PRU and Immunology Dept, Laboratory Medicine Building, North Lane, Northern General Hospital, Herries Road, Sheffield, S5 7AU.
Contact Name	Mr. Kevin Green
Contact Telephone Number	0114 271 5552
Contact Email Address	sht-tr.enquiriesPRUsheffield@nhs.net
Dispatch	DX Address: Protein Reference Unit, PO Box 894, Sheffield, S5 7YT. DX Number: 6261402
Turnaround Time	7 working days
External Website	https://www.immqas.org.uk/TestItem.asp?id=244

CSF Cytokines

Discipline Responsibility	Biochemistry
Sample Type	
Sample Volume	
Storage	
Meditech Code	
Other information required	
Postal Address	Please refer to Cytokine Profile (Functional (TH1)) record as CSF cytokines is available under this test
Contact Name	
Contact Telephone Number	
Contact Email Address	
Dispatch	
Turnaround Time	
External Website	

Cyclosporin

Discipline Responsibility	Biochemistry
Sample Type	Whole blood (EDTA)
Sample Volume	1ml
Storage	Fridged
Meditech Code	
Other information required	
Postal Address	Dept of Clinical Biochemistry, LCL Clinical Support Services Building, Mount Vernon Street, Liverpool, L7 8YE
Contact Name	Anna Milan
Contact Telephone Number	0151 706 4755
Contact Email Address	anna.milan@rlbuht.nhs.uk
Dispatch	Local Transport
Turnaround Time	5 working days
External Website	

Cystatin C

Discipline Responsibility	Biochemistry
Sample Type	Serum/Plasma (Lithium Heparin)
Sample Volume	1mL
Storage	Fridged
Meditech Code	CYSTC
Other information required	
Postal Address	Central Specimen Reception, c/o Clinical Biochemistry, Clinical Sciences Building 3, Manchester University NHS Foundation Trust, Oxford Road, Manchester, M13 9WL.
Contact Name	
Contact Telephone Number	Adult: 0161 701 8891 Paediatric: 0161 701 2255 (or 0161 276 1234 - bleep 8013)
Contact Email Address	duty.biochemist@mft.nhs.uk duty.paedbiochemist@mft.nhs.uk
Dispatch	First class post
Turnaround Time	5 working days
External Website	

Cytogenetics/Chromosomal Analysis

Discipline Responsibility	Haematology
Sample Type	Lithium Heparin/Transport Media for Bone Marrow
Sample Volume	1-2mL (newborns), 2-5mL (older children), 1-2mL (bone marrow aspirate into culture media bottle).
Storage	
Meditech Code	
Other information required	If cytogenetics and DNA storage are requested together, then two separate samples are required. Urgent samples should be send via taxi immediately.
Postal Address	Cytogenetics Department, Liverpool Woman's Hospital, Crown Street, Liverpool, L8 7SS
Contact Name	Dr. Peter Howard
Contact Telephone Number	0151 702 4229
Contact Email Address	peter_howard@lwh.nhs.uk
Dispatch	Local Transport
Turnaround Time	3 weeks
External Website	

Cytokine Profile (Functional (TH1))

Discipline Responsibility	Biochemistry
Sample Type	Lithium Heparin Whole Blood, EDTA Whole Blood and Clotted Blood
Sample Volume	3-5mL (lithium heparin), 2.7mL (EDTA), 2.5mL (Clotted)
Storage	Room Temperature
Meditech Code	
Other information required	Samples should not be sent Thurs-Sun. Appropriate form needs to be completed. Cytokine proforma_June 2023
Postal Address	Department of Clinical Biochemistry and Immunology, Level E4, Box 109, Addenbrooke's Hospital, Cambridge, CB2 0QQ.
Contact Name	Dr. Raine Doffinger
Contact Telephone Number	0333 103 2220
Contact Email Address	r.doffinger@nhs.net
Dispatch	Next day delivery
Turnaround Time	4 weeks
External Website	

Cytotoxic Antibodies

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	10mL
Storage	Frozen
Meditech Code	
Other information required	In patients approaching adult age, the clinician may ask for samples to be sent to Liverpool.
Postal Address	Transplant Laboratory, 2nd Floor, Purple Zone, Manchester Royal Infirmary, Oxford Road, Manchester, M13 9WL.
Contact Name	Julie Johnson
Contact Telephone Number	0161 276 6397
Contact Email Address	julie.johnson2@mft.nhs.uk
Dispatch	First class post
Turnaround Time	Not stated
External Website	

Cytotoxic Antibodies

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	10mL
Storage	Frozen
Meditech Code	
Other information required	Unless stated otherwise, samples for cytotoxic antibodies should be sent to the Transplant Lab at Manchester.
Postal Address	Histocompatibility and Immunogenetics Laboratory, LCL Clinical Support Services Building, Mount Vernon Street, Liverpool, L7 8YE
Contact Name	Fontini Partheniou
Contact Telephone Number	0151 706 4366
Contact Email Address	fotini.partheniou@liverpoolft.nhs.uk
Dispatch	First class post/Local Transport
Turnaround Time	4 weeks
External Website	

Daptomycin

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	500uL
Storage	Fridged
Meditech Code	DAP
Other information required	
Postal Address	North Bristol NHS Trust, Antimicrobial Reference Laboratory, Microbiology Department, Level 2 Phase 1, Southmead Hospital, Bristol, BS10 5NB
Contact Name	Alan Noel
Contact Telephone Number	0117 414 6220
Contact Email Address	ARLEnquiries@nbt.nhs.uk
Dispatch	DX Number: 6121301, DX Exchange: WESTBURY TRYM 90BS
Turnaround Time	3 days
External Website	

Dehydroepiandrosterone Sulphate (DHEAS)

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	250uL
Storage	Fridged
Meditech Code	DHEAS (DHEAS and Androstendione: DHEASA4)
Other information required	
Postal Address	Clinical Biochemistry, 4th Floor Pathology and Pharmacy Building, 80 Newark Street, Whitechapel, London, E1 2ES.
Contact Name	
Contact Telephone Number	020 7377 7000 - ext 61011
Contact Email Address	bhnt.clinbiochemadvice-barts@nhs.net
Dispatch	First class post
Turnaround Time	5 working days
External Website	https://www.eselpathology.nhs.uk/download.cfm?doc=docm93jjjm4n5479

Digoxin

Discipline Responsibility	Biochemistry
Sample Type	Serum (preferred)/Plasma
Sample Volume	500uL
Storage	Stable for 7 days at RT, 14 days at 2-8C or 6 months at -20C
Meditech Code	DIG
Other information required	
Postal Address	Dept of Clinical Biochemistry, LCL Clinical Support Services Building, Mount Vernon Street, Liverpool, L7 8YE
Contact Name	Anna Milan
Contact Telephone Number	0151 706 4011
Contact Email Address	anna.milan@rlbuht.nhs.uk
Dispatch	Local Transport
Turnaround Time	<24 hrs
External Website	

Dihydropyrimidine Dehydrogenase (DPD)

Discipline Responsibility	Biochemistry
Sample Type	EDTA whole blood
Sample Volume	3mL
Storage	Room temp
Meditech Code	
Other information required	For patients on 5-Fluorouracil to exclude DPD deficiency
Postal Address	Purine Research Lab, 4th Floor, North Wing, St Thomas' Hospital, London, SE1 7EH.
Contact Name	Dr Lynette Fairbanks / Dr Tony Marinaki
Contact Telephone Number	0207 188 1266 / 0207 188 1265
Contact Email Address	lynette.fairbanks@viapath.co.uk
Dispatch	First class post
Turnaround Time	3 working days
External Website	

Dihydrotestosterone (DHT)

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	800uL
Storage	Stable for 24 hours at 2-8C or 6 months at -18C
Meditech Code	DHTT
Other information required	Please state if part of a hCG stimulation test as, in these cases, testosterone should also be measured by mass spectrometry to allow accurate calculation of ratio.
Postal Address	Clinical Biochemistry, 4th Floor Pathology and Pharmacy Building, 80 Newark Street, Whitechapel, London, E1 2ES.
Contact Name	
Contact Telephone Number	020 7377 7000 - ext 61011
Contact Email Address	bhnt.clinbiochemadvice-barts@nhs.net
Dispatch	First class post
Turnaround Time	21 working days
External Website	https://www.eselpathology.nhs.uk/download.cfm?doc=docm93jjjm4n5479

Disaccharidase, Intestinal

Discipline Responsibility	Biochemistry
Sample Type	Jejunal biopsy
Sample Volume	10mg
Storage	Wrap biopsy in silver foil, please in 2ml screwcap tube, place on ice immediately. Store frozen prior to sending (-800C. -200C is acceptable.)
Meditech Code	DISACC
Other information required	
Postal Address	Central Specimen Reception, c/o Clinical Biochemistry, Clinical Sciences Building 3, Manchester University NHS Foundation Trust, Oxford Road, Manchester, M13 9WL.
Contact Name	Dr Fiona Ivison
Contact Telephone Number	0161 276 4699
Contact Email Address	fiona.ivison@mft.nhs.uk
Dispatch	Transport frozen on dry ice
Turnaround Time	3 weeks
External Website	

D-lactate

Discipline Responsibility	Biochemistry
Sample Type	Serum/Plasma (Lithium Heparin)
Sample Volume	300uL
Storage	Frozen
Meditech Code	DLAC
Other information required	Sample must be separated within 1hr of collection and are then stable at 4 0C for 7 days..
Postal Address	Blood Sciences, Clinical Biochemistry, Birmingham Children's Hospital, Steelhouse Lane, B4 6DH.
Contact Name	Dr. Sarah Heap
Contact Telephone Number	0121 333 999 - bleep 55271
Contact Email Address	bwc.biochemist@nhs.net
Dispatch	First class post
Turnaround Time	7 working days
External Website	

DNA for Storage (Individual Tests for e.g. Rett, Angelman Syndrome)

Discipline Responsibility	Haematology
Sample Type	EDTA
Sample Volume	3mL (1mL neonates)
Storage	
Meditech Code	
Other information required	
Postal Address	Cytogenetics Department, Liverpool Woman's Hospital, Crown Street, Liverpool, L8 7SS
Contact Name	Mr Roger Mountford/Dr. Vicky Stanton
Contact Telephone Number	0151 702 4228
Contact Email Address	dna.liverpool@nhs.net
Dispatch	Local Transport
Turnaround Time	
External Website	

ds DNA & ENA

Discipline Responsibility	Haematology
Sample Type	Serum
Sample Volume	1mL
Storage	
Meditech Code	
Other information required	Before sending, spin sample down and separate off 100uL into two tubes for dsDNA and ENA. Record this in red folder located in specimen reception. Store aliquots on top shelf of coag freezer. Send original sample to referral lab.
Postal Address	Immunology Department, LCL Clinical Support Services Building, Mount Vernon Street, Liverpool, L7 8YE
Contact Name	Catherine Keymer
Contact Telephone Number	0151 706 4355/4350
Contact Email Address	catherine.keymer@rlbuht.nhs.uk
Dispatch	Local Transport
Turnaround Time	48 hours
External Website	

Elastase

Discipline Responsibility	Biochemistry
Sample Type	Faeces
Sample Volume	Pea-sized (100mg)
Storage	Frozen
Meditech Code	ELAST
Other information required	<100ug/E1/g stool confirmed on repeat analysis. Watery samples sent to Birmingham (dry slide method)
Postal Address	Dept. of Clinical Biochemistry, Royal Stoke University Hospital, Newcastle Road, Stoke-On-Trent, ST4 6QG.
Contact Name	Brain Cameron
Contact Telephone Number	01782 674 253
Contact Email Address	biochemistry.uhns@nhs.net
Dispatch	First class post
Turnaround Time	14 working days
External Website	

Endomysial antibodies IgA

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	500uL
Storage	Fridged
Meditech Code	ENDOMYS IGA
Other information required	
Postal Address	Blood Sciences, Countess of Chester, Liverpool Road, Chester, CH2 1UL.
Contact Name	Kevin Clooney
Contact Telephone Number	01244 365 030
Contact Email Address	kevin.clooney@nhs.net
Dispatch	First class post
Turnaround Time	5 working days
External Website	

Endomysial antibodies IgG

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	500uL
Storage	Fridged
Meditech Code	ENDOMYS IGG
Other information required	
Postal Address	Blood Sciences, Countess of Chester, Liverpool Road, Chester, CH2 1UL.
Contact Name	Kevin Clooney
Contact Telephone Number	01244 365 030
Contact Email Address	kevin.clooney@nhs.net
Dispatch	First class post
Turnaround Time	5 working days
External Website	

Enhanced Liver Fibrosis test (ELF)

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	500uL
Storage	Frozen
Meditech Code	ELF
Other information required	Stable for 48hrs at room temperature.
Postal Address	Dept. of Clinical Biochemistry, Royal Stoke University Hospital, Newcastle Road, Stoke-On-Trent, ST4 6QG.
Contact Name	Dr. Chris Duff
Contact Telephone Number	01782 674 265
Contact Email Address	chris.duff@uhn.nhs.uk
Dispatch	First class post
Turnaround Time	14 working days
External Website	

Erythropoietin (EPO)

Discipline Responsibility	Biochemistry
Sample Type	Serum (Lithium heparin plasma also acceptable)
Sample Volume	1mL
Storage	Stable for 7 days at 2-8oC
Meditech Code	
Other information required	Haemolysed samples are unsuitable.
Postal Address	Biochemistry Department, King's College Hospital, Denamrk Hill, London, SE5 9RS
Contact Name	
Contact Telephone Number	020 3299 0359
Contact Email Address	
Dispatch	DX number: 6570203, DX Exchange: PECKHAM 90SE
Turnaround Time	7 working days
External Website	https://www.synnovis.co.uk/our-tests/erythropoietin-epo

Essential Fatty Acids (Red Cell)

Discipline Responsibility	Biochemistry
Sample Type	Dried blood spots (kit provided)
Sample Volume	
Storage	Room Temperature
Meditech Code	EFA
Other information required	Minimum patient age is 2 years
Postal Address	Genova Diagnostics Europe, 46-50 Coombe Road, New Maiden, KT3 4QF
Contact Name	
Contact Telephone Number	0207 336 7750
Contact Email Address	
Dispatch	First class post
Turnaround Time	
External Website	www.gdx.net/uk

Ethosuximide

Discipline Responsibility	Biochemistry
Sample Type	Serum/Plasma (Lithium Heparin)
Sample Volume	200uL
Storage	Fridged
Meditech Code	
Other information required	Ideal sampling time is immediately before next dose. An Antiepileptic Drug Form (NSE01 3/13) is available to be downloaded from the Epilepsy Society website: http://www.epilepsysociety.org.uk/ and must be completed prior to sample collection.
Postal Address	Therapeutic Drug Monitoring Unit (TDM Unit), Chalfont Centre for Epilepsy, Chesham Lane, Chalfont St Peter, SL9 0RJ.
Contact Name	
Contact Telephone Number	01494 601423
Contact Email Address	TDM_Unit@epilepsysociety.org.uk
Dispatch	First class post
Turnaround Time	3 working days
External Website	

Ethylene Glycol (Toxic Alcohols)

Discipline Responsibility	Biochemistry
Sample Type	MULTIPLE
Sample Volume	1ml
Storage	Fridged
Meditech Code	MISC
Other information required	All requests to be discussed with Duty / On call Biochemist. Requesting clinician must also discuss the request with the on-call Consultant Biochemist at Birmingham before sending samples OOHs. Tel 0121 554 3801
Postal Address	Clinical Biochemistry Dept, City Hospital, Dudley Road, Birmingham, B18 7QH.
Contact Name	
Contact Telephone Number	0121 507 5345
Contact Email Address	BCPSpathology.info@nhs.net
Dispatch	Special delivery (next day) or taxi/courier (if clinically indicated). Must use special postage label from website
Turnaround Time	1 working day
External Website	http://www.cityassays.org.uk/ethyleneglycol.html

Everolimus

Discipline Responsibility	Biochemistry
Sample Type	Whole blood (EDTA)
Sample Volume	500ul
Storage	Fridged
Meditech Code	
Other information required	
Postal Address	Dept of Biochemistry, Clinical Sciences Building, Wythenshawe Hospital, Manchester University NHS Foundation Trust, Southmoor Road, Wythenshawe, Manchester M23 9LT.
Contact Name	James Hawley
Contact Telephone Number	0161 291 2136
Contact Email Address	mft.biochemistry.wythenshawe@nhs.net
Dispatch	First class post
Turnaround Time	5 working days
External Website	

Factor H

Discipline Responsibility	Haematology
Sample Type	Serum
Sample Volume	2mL
Storage	
Meditech Code	
Other information required	Sample must be received by referral lab within 24hrs of collection. Ideally samples should be collected Mon-Wed only.
Postal Address	Immunology Department, Department of Medical Biochemistry and Immunology, University Hospital of Wales, Heath Park, Cardiff, CF14 4XW
Contact Name	Mo Moody
Contact Telephone Number	029 2074 8350
Contact Email Address	mo.moody@wales.nhs.uk
Dispatch	Special delivery (next day)
Turnaround Time	10 working days
External Website	

Factor V Leiden

Discipline Responsibility	Haematology
Sample Type	EDTA
Sample Volume	2mL
Storage	
Meditech Code	
Other information required	
Postal Address	Coagulation Department, Haematology, LCL Clinical Support Services Building, Mount Vernon Street, Liverpool, L7 8YE
Contact Name	Mariam Waite
Contact Telephone Number	0151 706 4967
Contact Email Address	mariam.waite@rlubt.nhs.uk
Dispatch	Local Transport
Turnaround Time	3 weeks
External Website	

Faecal Immunochemical Test (FIT)

Discipline Responsibility	Biochemistry
Sample Type	Faeces
Sample Volume	N/A
Storage	Fridged
Meditech Code	
Other information required	Samples must be transferred into a special FIT green top sample tube before sending Collection device is stable until expiry date stated on device.
Postal Address	Biochemistry Department, St Helens & Knowsley Teaching Hospitals, Warrington Road, Prescot, Merseyside, L35 5DR
Contact Name	Lesley Mather
Contact Telephone Number	0151 290 4507
Contact Email Address	lesley.mather@sthk.nhs.uk
Dispatch	Local Transport
Turnaround Time	2 working days
External Website	www.sthk.nhs.uk/pathology

Fanconi Anaemia

Discipline Responsibility	Haematology
Sample Type	Whole Blood (Lithium Heparin)
Sample Volume	5-10mL
Storage	
Meditech Code	
Other information required	Completed genetics form should be sent with sample: http://www.guysandstthomas.nhs.uk/resources/our-services/grida/genetics/genetics-specimen-form.pdf
Postal Address	Genetics Laboratory, 5th Floor, Tower Wing, Guys Hospital, Great Maze Pond, London, SE1 9RT.
Contact Name	
Contact Telephone Number	
Contact Email Address	stefan.meyer-2@manchester.ac.uk
Dispatch	Courier
Turnaround Time	
External Website	

FGF-23

Discipline Responsibility	Biochemistry
Sample Type	Plasma (EDTA)
Sample Volume	600uL
Storage	Frozen
Meditech Code	FGF23
Other information required	
Postal Address	Eastern Pathology Alliance, Laboratory Medicine East Block, Level 1, Norfolk and Norwich University NHS Foundation Trust, Colney Lane, Norwich, NR4 7UY.
Contact Name	Dr. Allison Chipchase
Contact Telephone Number	01603 287945
Contact Email Address	nnu-tr.nnuhdutybiochemist@nhs.net ; nnuh.labmedresults@nnuh.nhs.uk
Dispatch	First class post
Turnaround Time	4 weeks
External Website	

Fructosamine

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	1mL
Storage	Fridged
Meditech Code	
Other information required	
Postal Address	Dept of Biochemistry, Queen Elizabeth Hospital Birmingham, Mindelsohn Way, Edgbaston, Birmingham, B15 2GW.
Contact Name	
Contact Telephone Number	0121 371 6543
Contact Email Address	biolink@uhb.nhs.uk
Dispatch	First class post
Turnaround Time	5 working days
External Website	

Galactitol

Discipline Responsibility	Biochemistry
Sample Type	Urine
Sample Volume	5mL
Storage	Frozen
Meditech Code	UGALACTITOL
Other information required	
Postal Address	Dept of Clinical Biochemistry, Core Clinical Services Directorate, Pathology Sciences Laboratory, Southmead Hospital, Westbury on Trym, Bristol, BS10 5NB
Contact Name	
Contact Telephone Number	0117 414 8418
Contact Email Address	nbn-tr.ClinicalBiochemistryNBT@nhs.net
Dispatch	DX Number: 6121301, DX Exchange: WESTBURY TRYM 90BS
Turnaround Time	28 days (24-48hrs if urgent)
External Website	

Galactokinase

Discipline Responsibility	Biochemistry
Sample Type	Whole Blood (Lithium Heparin)
Sample Volume	1mL
Storage	Fridged
Meditech Code	GALK
Other information required	Sample must reach referral lab within 24hrs of collection. Ideally samples should be collected Mon-Wed only.
Postal Address	Dept of Clinical Biochemistry, Core Clinical Services Directorate, Pathology Sciences Laboratory, Southmead Hospital, Westbury on Trym, Bristol, BS10 5NB
Contact Name	
Contact Telephone Number	0117 414 8418
Contact Email Address	nbn-tr.ClinicalBiochemistryNBT@nhs.net
Dispatch	DX Number: 6121301, DX Exchange: WESTBURY TRYM 90BS
Turnaround Time	28 days (24-48hrs if urgent)
External Website	

Galactosaemia Mutation Analysis (GALT gene)

Discipline Responsibility	Haematology
Sample Type	Whole Blood (EDTA)
Sample Volume	3mL
Storage	
Meditech Code	
Other information required	Refer requests to Duty Biochemist to check suitability.
Postal Address	Molecular Genetics Service, Bristol Genetics Laboratory, Southmead Hospital, Bristol, BS10 5NB.
Contact Name	Hilary Sawyer
Contact Telephone Number	0117 323 5565/5518/6271
Contact Email Address	hilary.sawyer@nbt.nhs.uk / maggie.williams@nbt.nhs.uk
Dispatch	DX Number: 6121301, DX Exchange: WESTBURY TRYM 90BS
Turnaround Time	40 days (full screen), 3 days (urgent, known mutation)
External Website	

Galactose-1-phosphate

Discipline Responsibility	Biochemistry
Sample Type	Lithium Heparin
Sample Volume	5mL
Storage	Fridged
Meditech Code	GAL1P
Other information required	Sample must reach referral lab within 24hrs of collection. Ideally samples should be collected Mon-Wed only.
Postal Address	Willink Biochemical Genetics Laboratory, Manchester Centre for Genomic Medicine, St. Mary's Hospital, Manchester University NHS Foundation Trust, Oxford Road, Manchester, M13 9WL.
Contact Name	Robert Gibson
Contact Telephone Number	0161 701 2137/8612
Contact Email Address	mft.willink-enquiries@nhs.net
Dispatch	Courier or Special Delivery
Turnaround Time	3 weeks
External Website	

Gastrin

Discipline Responsibility	Biochemistry
Sample Type	Plasma (EDTA)
Sample Volume	1mL
Storage	Frozen
Meditech Code	GASTRIN
Other information required	Samples should be collected on ice and separated within 15mins of collection. Patients must be fasted overnight. If possible cease H2 agonist medication for 2 weeks prior to test.
Postal Address	SAS Endocrine Laboratory, Ground Floor Specimen Reception, Clinical Biochemistry, Charing Cross Hospital, Fulham Palace Road, London, W6 8RF.
Contact Name	Dr. Emma Walker
Contact Telephone Number	020 311 30348/020 331 35910
Contact Email Address	ICHC-tr.pathologyqueries@nhs.net
Dispatch	Send frozen
Turnaround Time	3 weeks
External Website	

Gilberts Genotyping

Discipline Responsibility	Biochemistry
Sample Type	Whole Blood (EDTA)
Sample Volume	5mL
Storage	Fridged
Meditech Code	GILBERTS
Other information required	Please ensure that request form states 'R176 Gilbert syndrome' Samples now acceptable from GP requests
Postal Address	Genetic Laboratories - Level 2, Liverpool Women's Hospital, Crown Street, Liverpool, L8 7SS
Contact Name	
Contact Telephone Number	0151 702 4228
Contact Email Address	dna.liverpool@nhs.net
Dispatch	First class post
Turnaround Time	20 working days
External Website	

Glomerular Basement Membrane Antibodies (GBM)

Discipline Responsibility	Haematology
Sample Type	Serum
Sample Volume	2mL
Storage	
Meditech Code	
Other information required	
Postal Address	Immunology Department, LCL Clinical Support Services Building, Mount Vernon Street, Liverpool, L7 8YE
Contact Name	Catherine Keymer
Contact Telephone Number	0151 706 4355/4350
Contact Email Address	catherine.keymer@rlbuht.nhs.uk
Dispatch	Local Transport
Turnaround Time	48 hours
External Website	

Glycolate

Discipline Responsibility	Biochemistry
Sample Type	Urine (random/24hr) (plain) NB. If shared sample with oxalate analysis need to acidify to pH 2.5-5
Sample Volume	10mL
Storage	Fridged
Meditech Code	UOXALATER/ UOXALATE24
Other information required	Note whether random or 24hr urine collection on Meditech and SAS form. If 24hr urine, also note urine volume.
Postal Address	Clinical Biochemistry, 60 Whitfield Street, London, W1T 4EU.
Contact Name	Krithika Subramaniam
Contact Telephone Number	0203 447 9405
Contact Email Address	uclh.enquiry.biochemhelpdesk@nhs.net
Dispatch	DX Number: 6630800, DX Exchange: TOTTENHAM CT RD 90W
Turnaround Time	1 month
External Website	

Guanidinoacetate and Creatine

Discipline Responsibility	Biochemistry
Sample Type	Serum/Plasma (Lithium Heparin)/Urine
Sample Volume	1mL
Storage	Frozen (Whole blood stable for 6hrs, serum/plasma stable for 24hrs and urine stable for 2hrs at RT)
Meditech Code	GUANIDINAC/ GUANACETU
Other information required	
Postal Address	Biochemical Genetics Unit, c/o Clinical Biochemistry, Pathology Block, Level 4, Addenbrooke's Hospital, Hills Road, Cambridge, CB2 0QQ.
Contact Name	Sarah Hogg
Contact Telephone Number	01223 216170
Contact Email Address	sarah.hogg@nhs.net
Dispatch	Send frozen (urine)/First class post (serum/plasma)
Turnaround Time	3 weeks
External Website	

Gut hormone screen (profile inc: Vasointestinal polypeptide, Pancreatic Polypeptide, Gastrin, Glucagon, Somatostatin, Chromogranin A and B)

Discipline Responsibility	Biochemistry
Sample Type	Plasma (EDTA)
Sample Volume	5mL
Storage	Frozen
Meditech Code	GUT
Other information required	Samples should be collected on ice and separated within 15mins of collection. Patients must be fasted overnight.
Postal Address	SAS Endocrine Laboratory, Ground Floor Specimen Reception, Clinical Biochemistry, Charing Cross Hospital, Fulham Palace Road, London, W6 8RF.
Contact Name	Dr. Emma Walker
Contact Telephone Number	Results:020 3313 3794 Clin Advice:020 331 35910
Contact Email Address	ICHC-tr.pathologyqueries@nhs.net
Dispatch	Send frozen
Turnaround Time	3 weeks
External Website	

Haptoglobin/Haemopexin

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	2mL
Storage	Fridged
Meditech Code	HAPTO
Other information required	
Postal Address	PRU and Immunology Dept, Laboratory Medicine Building, North Lane, Northern General Hospital, Herries Road, Sheffield, S5 7AU.
Contact Name	Mr. Kevin Green
Contact Telephone Number	0114 271 5552
Contact Email Address	sht-tr.enquiriesPRUsheffield@nhs.net
Dispatch	DX Address: Protein Reference Unit, PO Box 894, Sheffield, S5 7YT. DX Number: 6261402
Turnaround Time	7 working days
External Website	https://pru-sheffield.org.uk/

Hepcidin

Discipline Responsibility	Biochemistry
Sample Type	
Sample Volume	
Storage	
Meditech Code	
Other information required	Test currently unavailable. If requested, contact the referral lab for further information.
Postal Address	Dept of Clinical Biochemistry, Birmingham Heartlands Hospital, Bordesley Green East, Birmingham, B9 5SS
Contact Name	
Contact Telephone Number	
Contact Email Address	
Dispatch	
Turnaround Time	
External Website	

Hermansky-Pudlak Syndrome (Platelet Electron Microscopy Service)

Discipline Responsibility	Haematology
Sample Type	Whole Blood (EDTA)
Sample Volume	3-5mL
Storage	Fridged
Meditech Code	
Other information required	Essential that test is booked in advance.
Postal Address	Histopathology Department, Electron Microscopy Unit, Camelia Botnar Laboratories, Level 3, Great Ormond Street Hospital for Children, London, WC1N 3JH.
Contact Name	
Contact Telephone Number	0207 829 8663
Contact Email Address	
Dispatch	Courier
Turnaround Time	2 weeks
External Website	

HLA – B* 5710

Discipline Responsibility	Haematology
Sample Type	EDTA
Sample Volume	4mL
Storage	
Meditech Code	
Other information required	Samples should be anonymised. If transport is later than 5 days after collection, store sample at -20C to -40C (not packed). (Sample allowed to thaw in transit).
Postal Address	Delphic Laboratories Ltd, 1030 Heeley Close, Kent Science Park, Sittingbourne, Kent, ME9 8HL.
Contact Name	Nick Gardner
Contact Telephone Number	01795 436 688
Contact Email Address	enquiries@delphicdiagnostics.com
Dispatch	DX Number: 646688, DX Exchange: SITTINGBOURNE 91M
Turnaround Time	5 working days
External Website	

HLA Antibodies

Discipline Responsibility	Haematology
Sample Type	Serum
Sample Volume	1mL
Storage	
Meditech Code	
Other information required	
Postal Address	Immunology Department, LCL Clinical Support Services Building, Mount Vernon Street, Liverpool, L7 8YE
Contact Name	Catherine Keymer
Contact Telephone Number	0151 706 4355/4350
Contact Email Address	catherine.keymer@rlbuht.nhs.uk
Dispatch	Local Transport
Turnaround Time	48 hours
External Website	

HLA B27

Discipline Responsibility	Haematology
Sample Type	EDTA
Sample Volume	1mL
Storage	
Meditech Code	
Other information required	
Postal Address	Immunology Department, LCL Clinical Support Services Building, Mount Vernon Street, Liverpool, L7 8YE
Contact Name	Catherine Keymer
Contact Telephone Number	0151 706 4355/4350
Contact Email Address	catherine.keymer@rlbuht.nhs.uk
Dispatch	Local Transport
Turnaround Time	1 week
External Website	

HLA Tissue Typing

Discipline Responsibility	Haematology
Sample Type	EDTA and Serum
Sample Volume	5-10ml (EDTA), 1mL (serum)
Storage	
Meditech Code	
Other information required	Samples may be duplicated for family studies for HLA typing. Book samples into Meditech as 'MISCH' with details in clinical comment. Sample arriving after 4pm should be stored at room temp. and posted the next day.
Postal Address	Clinical Services, Antony Nolan Trsut, Histocompatibility Lab, Fleet Road, Hampstead, London, NW3 2QG.
Contact Name	Helen Ogilvie/Sandra Frater
Contact Telephone Number	2072848303
Contact Email Address	
Dispatch	Special delivery
Turnaround Time	
External Website	

HLA Typing

Discipline Responsibility	Haematology
Sample Type	EDTA
Sample Volume	4mL
Storage	
Meditech Code	
Other information required	Double check when sending samples off for tissue typing for potential transplant patients as they usually go to Antony Nolan Trust with sibling and parent samples going to Liverpool.
Postal Address	Immunology Department, LCL Clinical Support Services Building, Mount Vernon Street, Liverpool, L7 8YE
Contact Name	Catherine Keymer
Contact Telephone Number	0151 706 4355/4350
Contact Email Address	catherine.keymer@rlbuht.nhs.uk
Dispatch	Local Transport
Turnaround Time	11 working days
External Website	

Hypoxanthine guanine phosphoribosyltransferase (HGPRT)

Discipline Responsibility	Biochemistry
Sample Type	Whole Blood (EDTA)
Sample Volume	3mL
Storage	Fridged
Meditech Code	HGPRT
Other information required	
Postal Address	Purine Research Lab, 4th Floor, North Wing, St Thomas' Hospital, London, SE1 7EH.
Contact Name	Lynette Fairbanks
Contact Telephone Number	0207 188 1266
Contact Email Address	lynette.fairbanks@viapath.co.uk
Dispatch	First class post
Turnaround Time	7 working days
External Website	

IGF binding protein 3 (IGF-BP3)

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	200uL
Storage	Frozen
Meditech Code	IGFBP3
Other information required	
Postal Address	SAS Peptide Hormones Section, Clinical Laboratory, Royal Surrey County Hospital, Egerton Road, Guildford, Surrey, GU2 7XX.
Contact Name	Nick Porter
Contact Telephone Number	01483 406 715
Contact Email Address	gwen.wark@nhs.net
Dispatch	First class post
Turnaround Time	7 working days
External Website	

IgD (immunoglobulin D)

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	2mL
Storage	Fridged
Meditech Code	IGD
Other information required	
Postal Address	PRU and Immunology Dept, Laboratory Medicine Building, North Lane, Northern General Hospital, Herries Road, Sheffield, S5 7AU.
Contact Name	Mr. Kevin Green
Contact Telephone Number	0114 271 5552
Contact Email Address	sht-tr.enquiriesPRUsheffield@nhs.net
Dispatch	DX Address: Protein Reference Unit, PO Box 894, Sheffield, S5 7YT. DX Number: 6261402
Turnaround Time	7 working days
External Website	https://pru-sheffield.org.uk/

IGF-2

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	500uL
Storage	Frozen
Meditech Code	
Other information required	Supply IGF-1 result.
Postal Address	SAS Peptide Hormones Section, Clinical Laboratory, Royal Surrey County Hospital, Egerton Road, Guildford, Surrey, GU2 7XX.
Contact Name	Nick Porter
Contact Telephone Number	01483 406 715
Contact Email Address	gwen.wark@nhs.net
Dispatch	First class post
Turnaround Time	7 working days
External Website	

IgG subclasses

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	2mL
Storage	Fridged
Meditech Code	IGSUB
Other information required	
Postal Address	PRU and Immunology Dept, Laboratory Medicine Building, North Lane, Northern General Hospital, Herries Road, Sheffield, S5 7AU.
Contact Name	Mr. Kevin Green
Contact Telephone Number	0114 271 5552
Contact Email Address	sht-tr.enquiriesPRUsheffield@nhs.net
Dispatch	DX Address: Protein Reference Unit, PO Box 894, Sheffield, S5 7YT. DX Number: 6261402
Turnaround Time	7 working days
External Website	https://pru-sheffield.org.uk/

Inhibin A

Discipline Responsibility	Biochemistry
Sample Type	Serum/Plasma
Sample Volume	2mL
Storage	Stable for 24hrs 2-8C or 30 days at -20C.
Meditech Code	
Other information required	
Postal Address	PRU and Immunology Dept, Laboratory Medicine Building, North Lane, Northern General Hospital, Herries Road, Sheffield, S5 7AU.
Contact Name	Mr. Kevin Green
Contact Telephone Number	0114 271 5552
Contact Email Address	sht-tr.enquiriesPRUsheffield@nhs.net
Dispatch	DX Address: Protein Reference Unit, PO Box 894, Sheffield, S5 7YT. DX Number: 6261402
Turnaround Time	2 weeks
External Website	https://pru-sheffield.org.uk/

Inhibin B

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	2mL
Storage	Frozen
Meditech Code	INHIBINB
Other information required	
Postal Address	PRU and Immunology Dept, Laboratory Medicine Building, North Lane, Northern General Hospital, Herries Road, Sheffield, S5 7AU.
Contact Name	Mr. Kevin Green
Contact Telephone Number	0114 271 5552
Contact Email Address	sht-tr.enquiriesPRUsheffield@nhs.net
Dispatch	DX Address: Protein Reference Unit, PO Box 894, Sheffield, S5 7YT. DX Number: 6261402
Turnaround Time	2 weeks
External Website	https://pru-sheffield.org.uk/

Interleukin 6 (IL-6)

Discipline Responsibility	Biochemistry
Sample Type	Serum/Plasma
Sample Volume	2mL
Storage	Fridged
Meditech Code	IL6
Other information required	
Postal Address	PRU and Immunology Dept, Laboratory Medicine Building, North Lane, Northern General Hospital, Herries Road, Sheffield, S5 7AU.
Contact Name	Mr. Kevin Green
Contact Telephone Number	0114 271 5552
Contact Email Address	sht-tr.enquiriesPRUsheffield@nhs.net
Dispatch	DX Address: Protein Reference Unit, PO Box 894, Sheffield, S5 7YT. DX Number: 6261402
Turnaround Time	4 weeks (24hr urgent)
External Website	https://pru-sheffield.org.uk/

Iodine

Discipline Responsibility	Biochemistry
Sample Type	Serum/Plasma (Lithium Heparin)/Urine
Sample Volume	500uL (serum/plasma)/1mL (urine)
Storage	Fridged
Meditech Code	I / UI
Other information required	Provide urine creatinine result. (Cost £3.50 if measured at referral lab).
Postal Address	Trace Element Unit, Southampton General Hospital, Tremona Road, Southampton, SO16 6YD.
Contact Name	Christine Sieniawska
Contact Telephone Number	023807 96237
Contact Email Address	uhs.dutybiochemist@nhs.net
Dispatch	First class post
Turnaround Time	5 working days
External Website	

JSLENEUT (Lupus Neutophil Study)

Discipline Responsibility	Haematology
Sample Type	Heparin
Sample Volume	5-10mL
Storage	
Meditech Code	
Other information required	Lupus Neutophil Study. Bloods need to be received by lab for audit trail. Inform Angela of sample.
Postal Address	Institute of Child Health, Alder Hey Hospital, Liverpool, L12 2AP.
Contact Name	Angela Midgley
Contact Telephone Number	ext. 2436/2438 (07751124148)
Contact Email Address	
Dispatch	
Turnaround Time	
External Website	

Lamotrigine

Discipline Responsibility	Biochemistry
Sample Type	Plasma (Lithium Heparin/EDTA)
Sample Volume	2mL
Storage	Fridged
Meditech Code	LAMO
Other information required	
Postal Address	Clinical Biochemistry Dept, City Hospital, Dudley Road, Birmingham, B18 7QH.
Contact Name	
Contact Telephone Number	0121 507 4138
Contact Email Address	swbh.toxicology@nhs.net
Dispatch	First class post
Turnaround Time	2 working days
External Website	

Laxative screen

Discipline Responsibility	Biochemistry
Sample Type	Urine
Sample Volume	10mL
Storage	Fridged
Meditech Code	LAXATIVE
Other information required	
Postal Address	Department of Biochemistry, Salford Royal Foundation Trust, Stott Lane, Salford, M6 8HD.
Contact Name	
Contact Telephone Number	0161 206 8212
Contact Email Address	
Dispatch	First class post
Turnaround Time	2 weeks
External Website	

Leucocyte Adhesion Defect CD11, CD18

Discipline Responsibility	Haematology
Sample Type	Whole Blood (EDTA)
Sample Volume	1mL
Storage	
Meditech Code	
Other information required	
Postal Address	Immunology Dept. Royal Victoria Infirmary, Queen Victoria Road, Newcastle Upon Tyne, NE1 4LP.
Contact Name	Dawn Barge
Contact Telephone Number	0191 282 5078
Contact Email Address	
Dispatch	Special delivery (next day)
Turnaround Time	
External Website	

Levetiracetam (Keppra)

Discipline Responsibility	Biochemistry
Sample Type	Plasma (EDTA) / Serum - no gel
Sample Volume	200uL
Storage	Fridged
Meditech Code	
Other information required	Trough sample
Postal Address	Cardiff Toxicology Laboratories, The Academic Centre, University Hospital Llandough, Penarth, Vale of Glamorgan, CF64 2XX.
Contact Name	
Contact Telephone Number	029 2071 6894
Contact Email Address	
Dispatch	First class post
Turnaround Time	7 working days
External Website	

Lipase

Discipline Responsibility	Biochemistry
Sample Type	Serum/Plasma (Lithium Heparin)
Sample Volume	200uL
Storage	Fridged
Meditech Code	LIPASE
Other information required	
Postal Address	Dept of Biochemistry, Clinical Sciences Building, Wythenshawe Hospital, Manchester University NHS Foundation Trust, Southmoor Road, Wythenshawe, Manchester M23 9LT.
Contact Name	
Contact Telephone Number	0161 291 2136
Contact Email Address	mft.biochemistry.wythenshawe@nhs.net
Dispatch	First class post
Turnaround Time	5 working days
External Website	

Lipoprotein (a)

Discipline Responsibility	Biochemistry
Sample Type	Plasma (EDTA)
Sample Volume	2mL
Storage	Fridged
Meditech Code	
Other information required	
Postal Address	Dept.of Clinical Biochemistry, MacEwan Building, Glasgow Royal Infirmary, Castle Street, Glasgow, G4 0SF
Contact Name	
Contact Telephone Number	0141 211 4003/4004
Contact Email Address	
Dispatch	First class post
Turnaround Time	1 week
External Website	

Lipoprotein profile

Discipline Responsibility	Biochemistry
Sample Type	Serum/Plasma (EDTA)
Sample Volume	2mL
Storage	Fridged
Meditech Code	
Other information required	Make it clear on SAS form which lipid fraction is required.
Postal Address	Dept.of Clinical Biochemistry, MacEwan Building, Glasgow Royal Infirmary, Castle Street, Glasgow, G4 0SF
Contact Name	
Contact Telephone Number	0141 211 4003/4004
Contact Email Address	
Dispatch	First class post
Turnaround Time	1 week
External Website	

Lithium

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	250uL
Storage	Fridged
Meditech Code	LI
Other information required	Sample should be taken pre-dose or at least 12hrs post-dose.
Postal Address	Dept of Clinical Biochemistry, LCL Clinical Support Services Building, Mount Vernon Street, Liverpool, L7 8YE
Contact Name	Anna Milan
Contact Telephone Number	0151 706 4755
Contact Email Address	anna.milan@rlbuht.nhs.uk
Dispatch	Local Transport
Turnaround Time	24 hours
External Website	

Malaria Parasites ID

Discipline Responsibility	Haematology
Sample Type	EDTA
Sample Volume	500uL
Storage	
Meditech Code	
Other information required	Complete malaria reference laboratory form available from LSTM website.
Postal Address	Clinical Diagnostic-Parasitology Laboratory, Liverpool School of Tropical Medicine, Pembroke Place, Liverpool, L3 5QA.
Contact Name	Jayne Jones
Contact Telephone Number	0151 705 3220
Contact Email Address	diagpara@liverpool.ac.uk
Dispatch	Local Transport
Turnaround Time	
External Website	

Mercury

Discipline Responsibility	Biochemistry
Sample Type	Whole Blood (EDTA or Lithium Heparin)/Urine
Sample Volume	500uL (blood)/1mL (urine)
Storage	Fridged
Meditech Code	
Other information required	Provide urine creatinine result. (Cost £3.50 if measured at referral lab).
Postal Address	Trace Element Unit, Southampton General Hospital, Tremona Road, Southampton, SO16 6YD.
Contact Name	Christine Sieniawska
Contact Telephone Number	02387 206675
Contact Email Address	uhs.dutybiochemist@nhs.net
Dispatch	First class post
Turnaround Time	5 working days
External Website	

Metadrenalines/ metanephrines (plasma)

Discipline Responsibility	Biochemistry
Sample Type	Plasma (EDTA)
Sample Volume	2mL
Storage	Frozen
Meditech Code	
Other information required	Fasting sample preferred. Samples should ideally be collected and transported on ice, if possible, to aid sample stability. Sample should be separated and frozen within 1hr of collection.
Postal Address	Department of Biochemistry, Salford Royal Foundation Trust, Stott Lane, Salford, M6 8HD.
Contact Name	
Contact Telephone Number	0161 206 8212
Contact Email Address	
Dispatch	Send frozen
Turnaround Time	10 working days
External Website	

Metadrenalines/ metanephrines (urine)

Discipline Responsibility	Biochemistry
Sample Type	24hr Urine (50mL 1.0M sulphuric acid preservative)
Sample Volume	5mL
Storage	Frozen
Meditech Code	UMETADRENALINES
Other information required	Samples with pH ≥ 6.5 are unsuitable for analysis. Note 24hr urine volume in Meditech and on SAS form.
Postal Address	Department of Biochemistry, Salford Royal Foundation Trust, Stott Lane, Salford, M6 8HD.
Contact Name	
Contact Telephone Number	0161 206 8212
Contact Email Address	
Dispatch	Send frozen
Turnaround Time	7 working days
External Website	

Methylmalonic acid (MMA)/ methylmalonate

Discipline Responsibility	Biochemistry
Sample Type	Plasma (Lithium Heparin/EDTA)
Sample Volume	500uL
Storage	Frozen
Meditech Code	MMA
Other information required	
Postal Address	Neurometabolic Unit, 6th Floor, Institute of Neurology, Queen Square House, Queen Square, London WC1N 3BG
Contact Name	Mr. Nana Ghansah
Contact Telephone Number	0203 44 83835/83818
Contact Email Address	uclh.enquiry.neurometabolic@nhs.net
Dispatch	First class post
Turnaround Time	7 working days
External Website	

Mexiletine

Discipline Responsibility	Biochemistry
Sample Type	Plasma (EDTA, no gel)
Sample Volume	500uL
Storage	Fridged
Meditech Code	MEX
Other information required	
Postal Address	Cardiff Toxicology Laboratories, The Academic Centre, University Hospital Llandough, Penarth, Vale of Glamorgan, CF64 2XX.
Contact Name	
Contact Telephone Number	029 2071 6894
Contact Email Address	
Dispatch	First class post
Turnaround Time	7 working days
External Website	

MRD (ALL, AML, CLL)

Discipline Responsibility	Haematology
Sample Type	Whole Blood (EDTA)/Bone Marrow/Lymph Node/Body Fluids
Sample Volume	3mL (blood), 5mL (bone marrow)
Storage	
Meditech Code	
Other information required	
Postal Address	Paul Virgo, Dept. of Immunology and Immunogenetics, Pathology Science Building, Southmead Hospital, Bristol, BS10 5NB.
Contact Name	Paul Virgo
Contact Telephone Number	0177 414 8377
Contact Email Address	nbn-tr.nbtimmunology@nhs.net
Dispatch	First class post
Turnaround Time	2 days
External Website	

MRD Samples

Discipline Responsibility	Haematology
Sample Type	ACD Bottle (Bone Marrow)
Sample Volume	5mL
Storage	Fridged
Meditech Code	
Other information required	<p>Samples taken Wenesday should be sent by first class post in blue royal mail boxes. Samples taken Thursday should be sent via special delivery.</p> <p>Trial form should be completed on patient notes on Meditech. If no form contact requestor.</p> <p>Sometimes in relapse cases, if child in R3 trial, then 3 MRD samples taken-snd one to Glasgow, one to Manchester and other Birmingham Children's. Check with consultant before sending.</p>
Postal Address	Sandra Chudleigh, Molecular Haematology, Haematology Department, Royal Hospital for Sick Children, Yorkhill, Glasgow, G3 8SJ.
Contact Name	Sandra Chudleigh
Contact Telephone Number	0141 201 9281
Contact Email Address	sandra.chudleigh@ggc.scot.nhs.uk
Dispatch	First class post
Turnaround Time	28 days
External Website	

MRD Samples-Interfant

Discipline Responsibility	Haematology
Sample Type	ACD Bottle (Bone Marrow)
Sample Volume	3-5mL
Storage	Fridged
Meditech Code	
Other information required	For samples on children <1yr old who are entered in the ALL Trial see 'MRD samples' (send to Glasgow).
Postal Address	Gerry Hancock, Bristol MRD Group, Bristol Genetic Lab, Lewis Laboratories, Southmead Hospital, Bristol, BS10 5NB.
Contact Name	Gerry Hancock
Contact Telephone Number	
Contact Email Address	
Dispatch	First class post
Turnaround Time	
External Website	

Mucopolysaccharidoses (MPS) enzymes

Discipline Responsibility	Biochemistry
Sample Type	Whole Blood (EDTA)
Sample Volume	5mL
Storage	Fridged
Meditech Code	
Other information required	State on SAS form which enzyme/condition is to be investigated. Sample must reach referral lab within 72hrs of collection. Ideally samples should be collected Mon-Wed only.
Postal Address	Willink Biochemical Genetics Laboratory, Manchester Centre for Genomic Medicine, St. Mary's Hospital, Manchester University NHS Foundation Trust, Oxford Road, Manchester, M13 9WL.
Contact Name	Robert Gibson
Contact Telephone Number	0161 701 2137/8612
Contact Email Address	mft.willink-enquiries@nhs.net
Dispatch	First class post
Turnaround Time	3 weeks
External Website	

Mycophenolate (MPA)

Discipline Responsibility	Biochemistry
Sample Type	Plasma (EDTA)
Sample Volume	200uL
Storage	Fridged
Meditech Code	MPA
Other information required	
Postal Address	Analytical Services International, St George's Hospital University of London, Cranmer Terrace, London, SW17 0RE.
Contact Name	
Contact Telephone Number	0208 725 5345
Contact Email Address	laboratory@bioanalytics.co.uk
Dispatch	First class post
Turnaround Time	5 working days
External Website	

Neurone Specific Enolase (NSE)

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	2mL
Storage	Fridged
Meditech Code	NSE
Other information required	
Postal Address	PRU and Immunology Dept, Laboratory Medicine Building, North Lane, Northern General Hospital, Herries Road, Sheffield, S5 7AU.
Contact Name	Mr. Kevin Green
Contact Telephone Number	0114 271 5552
Contact Email Address	sht-tr.enquiriesPRUsheffield@nhs.net
Dispatch	DX Address: Protein Reference Unit, PO Box 894, Sheffield, S5 7YT. DX Number: 6261402
Turnaround Time	3 working days
External Website	https://pru-sheffield.org.uk/

Neurotransmitters (monoamine metabolites, 5-methyltetrahydrofolate, pterins, PLP)

Discipline Responsibility	Biochemistry
Sample Type	CSF
Sample Volume	See protocol (special tubes required)
Storage	Sample must be placed in dry ice as soon as collected to stabilise for transport to the lab. Store frozen upon receipt in lab.
Meditech Code	CSFNEURO
Other information required	Neurotransmitter request form should be completed prior to collection. Form is available on website: www.uclh.nhs.uk Patient should ideally be off L-Dopa for monoamine metabolites.
Postal Address	Neurometabolic Unit, 6th Floor, Institute of Neurology, Queen Square House, Queen Square, London WC1N 3BG
Contact Name	Mr. Nana Ghansah
Contact Telephone Number	0203 44 83835/83818
Contact Email Address	uclh.enquiry.neurometabolic@nhs.net
Dispatch	Send frozen
Turnaround Time	30 working days
External Website	https://www.uclh.nhs.uk/our-services/find-service/neurology-and-neurosurgery/neurometabolic-unit

Neutrophil Oxidative Burst and Neutrophil Function

Discipline Responsibility	Haematology
Sample Type	Heparin
Sample Volume	5mL
Storage	
Meditech Code	
Other information required	Must reach referral lab by 1pm.
Postal Address	Immunology Department, Clinical Sciences Centre, Manchester University NHS Foundation Trust, Oxford Road, Manchester, M13 9WL.
Contact Name	
Contact Telephone Number	0161 276 6440
Contact Email Address	andrew.moran@sfc.nhs.uk
Dispatch	Transport will be allocated by Hotel Services
Turnaround Time	7 working days
External Website	

Newborn Screening (NBS) CFTR genetics

Discipline Responsibility	Biochemistry
Sample Type	Dried Bloodspot
Sample Volume	
Storage	Room temp
Meditech Code	CFTR
Other information required	Sample sent by NBS.
Postal Address	Northwest Genomic Laboratory Hub, Manchester Centre for Geneomic Medicine, Liverpool Woman's Hospital, Crown Strret, Liverpool, L8 7SS.
Contact Name	
Contact Telephone Number	0151 702 4228
Contact Email Address	dna.liverpool@nhs.net
Dispatch	Local Transport
Turnaround Time	24 hours
External Website	

Newborn Screening (NBS) extended MCADD genetics

Discipline Responsibility	Biochemistry
Sample Type	Dried Bloodspot
Sample Volume	2 spots
Storage	Room temp
Meditech Code	MCADD XTDNA
Other information required	Sample sent by NBS. Bloodspot should be stabled to a photocopy of the NBS bloodspot card.
Postal Address	Sheffield Diagnostic Genetics Service, Sheffield Children's NHS Foundation Trust, Western Bank, Sheffield, S10 2TH.
Contact Name	Rachel Hetherington
Contact Telephone Number	0114 271 7021
Contact Email Address	rachel.hetherington@nhs.net
Dispatch	First class post
Turnaround Time	14 working days
External Website	

Newborn Screening (NBS) GA1 genetics

Discipline Responsibility	Biochemistry
Sample Type	Dried Bloodspot
Sample Volume	
Storage	Room temp
Meditech Code	
Other information required	Sample sent by NBS. Sample sent to Liverpool for DNA extraction only. Analysis performed by Sheffield Genetics Lab.
Postal Address	Northwest Genomic Laboratory Hub, Manchester Centre for Geneomic Medicine, Liverpool Woman's Hospital, Crown Strret, Liverpool, L8 7SS.
Contact Name	
Contact Telephone Number	0151 702 4228
Contact Email Address	dna.liverpool@nhs.net
Dispatch	Local Transport
Turnaround Time	
External Website	

Newborn Screening (NBS) haemoglobinopathy genetics

Discipline Responsibility	Biochemistry
Sample Type	Dried Bloodspot
Sample Volume	2 spots
Storage	Room temp
Meditech Code	
Other information required	Sample sent by NBS. Bloodspot should be stabled to a photocopy of the NBS bloodspot card.
Postal Address	Sheffield Diagnostic Genetics Service, Sheffield Children's NHS Foundation Trust, Western Bank, Sheffield, S10 2TH.
Contact Name	Nikolas Niksic
Contact Telephone Number	0114 305 3641
Contact Email Address	nikolas.niksic@nhs.net
Dispatch	First class post
Turnaround Time	14 working days
External Website	

Newborn Screening (NBS) IVA genetics

Discipline Responsibility	Biochemistry
Sample Type	Dried Bloodspot
Sample Volume	
Storage	Room temp
Meditech Code	
Other information required	Sample sent by NBS. Sample sent to Liverpool for DNA extraction only. Analysis performed by Sheffield Genetics Lab.
Postal Address	Northwest Genomic Laboratory Hub, Manchester Centre for Geneomic Medicine, Liverpool Woman's Hospital, Crown Strret, Liverpool, L8 7SS.
Contact Name	
Contact Telephone Number	0151 702 4228
Contact Email Address	dna.liverpool@nhs.net
Dispatch	Local Transport
Turnaround Time	
External Website	

Newborn Screening (NBS) MCADD genetics

Discipline Responsibility	Biochemistry
Sample Type	Dried Bloodspot
Sample Volume	
Storage	Room temp
Meditech Code	MCADD GENE
Other information required	Sample sent by NBS.
Postal Address	Northwest Genomic Laboratory Hub, Manchester Centre for Geneomic Medicine, Liverpool Woman's Hospital, Crown Strret, Liverpool, L8 7SS.
Contact Name	
Contact Telephone Number	0151 702 4228
Contact Email Address	dna.liverpool@nhs.net
Dispatch	Local Transport
Turnaround Time	24 hours
External Website	

Nitisionone (NTBC) with Succinylacetone

Discipline Responsibility	Biochemistry
Sample Type	Dried Bloodspot. (Lithium Heparin plasma also acceptable)
Sample Volume	2 spots
Storage	Room temp
Meditech Code	NTBC
Other information required	
Postal Address	Central Specimen Reception, 5th Floor, North Wing, St Thomas' Hospital, London, SE1 7EH
Contact Name	Charles Turner
Contact Telephone Number	0207 188 0159
Contact Email Address	charlesturner@nhs.net
Dispatch	First class post
Turnaround Time	2 weeks
External Website	

Nitroblue Tetrazolium (NBT)

Discipline Responsibility	Haematology
Sample Type	Whole Blood (Lithium Heparin)
Sample Volume	2mL
Storage	Room Temperature
Meditech Code	
Other information required	Must reach referral lab within 24hrs of collection. Ideally samples should be collected Mon-Wed only.
Postal Address	Immunology Department, Department of Medical Biochemistry and Immunology, University Hospital of Wales, Heath Park, Cardiff, CF14 4XW
Contact Name	Mo Moody
Contact Telephone Number	029 2074 8350
Contact Email Address	mo.moody@wales.nhs.uk
Dispatch	Courier
Turnaround Time	2 working days
External Website	

Oligoclonal bands

Discipline Responsibility	Biochemistry
Sample Type	CSF and Serum
Sample Volume	50uL
Storage	Fridged
Meditech Code	OLIGO
Other information required	Serum/plasma should ideally be taken ≤ 24 hours of LP to ensure accurate picture of IgG within each compartments. However, samples taken within 2 weeks of each other are acceptable. Paired samples taken outside of this time limit have limited clinical significance.
Postal Address	Neuroimmunology, The Walton Centre NHS Foundation Trust, Lower Lane, Fazakerley, Liverpool, L9 7LJ
Contact Name	Mr. Edward Jackson
Contact Telephone Number	0151 556 3262
Contact Email Address	wcf-tr.neurobiochemistry@nhs.net
Dispatch	First class post
Turnaround Time	5 working days
External Website	https://www.thewaltoncentre.nhs.uk/neuroscience-laboratories.htm

3-O-Methyldopa (3-OMD)

Discipline Responsibility	
Sample Type	Dried blood spot
Sample Volume	4 blood spots
Storage	Room temp
Meditech Code	
Other information required	
Postal Address	Neurometabolic Unit, 6th Floor, Institute of Neurology, Queen Square House, Queen Square, London WC1N 3BG
Contact Name	
Contact Telephone Number	0203 44 83835/83818
Contact Email Address	uclh.enquiry.neurometabolic@nhs.net
Dispatch	
Turnaround Time	
External Website	

Orexin (hypocretin)

Discipline Responsibility	Biochemistry
Sample Type	CSF
Sample Volume	1mL
Storage	Fridged
Meditech Code	
Other information required	Bloodstained CSF samples are acceptable.
Postal Address	Immunology Department, Churchill Hospital, Churchill Drive, Old Road, Headington, Oxford, OX3 7LE.
Contact Name	
Contact Telephone Number	01865 225995
Contact Email Address	immunology.office@nhs.net
Dispatch	First class post
Turnaround Time	42 working days
External Website	

Organic acids (Post Mortem)

Discipline Responsibility	Biochemistry
Sample Type	Urine/Bladder wash
Sample Volume	5-10mL
Storage	Frozen
Meditech Code	OA PM
Other information required	
Postal Address	Dept. of Clinical Chemistry and Newborn Screening, Sheffield Children's NHS Foundation Trust, Western Bank, Sheffield, S10 2TH.
Contact Name	Claire Hart
Contact Telephone Number	0114 271 7307
Contact Email Address	claire.hart10@nhs.net
Dispatch	First class post
Turnaround Time	2 weeks
External Website	

Orotic acid

Discipline Responsibility	Biochemistry
Sample Type	Urine (random/24hr)
Sample Volume	10mL
Storage	Frozen
Meditech Code	OROTIC
Other information required	Note whether random or 24hr urine collection on Meditech and SAS form. If 24hr urine, also note urine volume.
Postal Address	Dept. of Clinical Chemistry and Newborn Screening, Sheffield Children's NHS Foundation Trust, Western Bank, Sheffield, S10 2TH.
Contact Name	Claire Hart
Contact Telephone Number	0114 271 7307
Contact Email Address	claire.hart10@nhs.net
Dispatch	First class post
Turnaround Time	2 weeks
External Website	

OTOBLOT or hsp70 or KD68

Discipline Responsibility	Haematology
Sample Type	Serum
Sample Volume	1mL
Storage	
Meditech Code	
Other information required	Test for protein linked to deafness.
Postal Address	Danielle Mack, Cambridge Life Science Plc, 14 St Thomas Place, Cambridge Business Park, Elys Cambs, CB7 4EX.
Contact Name	Danielle Mack
Contact Telephone Number	01353 645207
Contact Email Address	
Dispatch	
Turnaround Time	
External Website	

Oxalate (plasma)

Discipline Responsibility	Biochemistry
Sample Type	Plasma (EDTA)
Sample Volume	5mL
Storage	Frozen
Meditech Code	
Other information required	Sample must be separated and frozen within 2hrs of collection.
Postal Address	Clinical Biochemistry, 60 Whitfield Street, London, W1T 4EU.
Contact Name	Robin Pryke
Contact Telephone Number	0203 447 9405
Contact Email Address	uclh.enquiry.biochemhelpdesk@nhs.net
Dispatch	Send frozen
Turnaround Time	10 working days
External Website	

Oxalate (urine)

Discipline Responsibility	Biochemistry
Sample Type	Urine (random/24hr) (acidified pH 2.5-5)
Sample Volume	10mL
Storage	Fridged
Meditech Code	UOXALATER/ UOXALATE24
Other information required	Note whether random or 24hr urine collection on Meditech and SAS form. If 24hr urine, also note urine volume.
Postal Address	Clinical Biochemistry, 60 Whitfield Street, London, W1T 4EU.
Contact Name	Robin Pryke
Contact Telephone Number	0203 447 9405
Contact Email Address	uclh.enquiry.biochemhelpdesk@nhs.net
Dispatch	DX Number: 6630800, DX Exchange: TOTTENHAM CT RD 90W
Turnaround Time	5 working days
External Website	

Oxysterols

Discipline Responsibility	Biochemistry
Sample Type	Plasma (EDTA)
Sample Volume	2mL
Storage	Frozen
Meditech Code	NPICKC
Other information required	
Postal Address	Willink Biochemical Genetics Laboratory, Manchester Centre for Genomic Medicine, St. Mary's Hospital, Manchester University NHS Foundation Trust, Oxford Road, Manchester, M13 9WL.
Contact Name	Robert Gibson
Contact Telephone Number	0161 701 2137/8612
Contact Email Address	mft.willink-enquiries@nhs.net
Dispatch	Transport frozen
Turnaround Time	4 weeks
External Website	

Parathyroid Hormone Related Peptide (PTHrP)

Discipline Responsibility	Biochemistry
Sample Type	EDTA Plasma. (Requires a special collection tube. Contact referral lab for supply).
Sample Volume	600uL
Storage	Frozen
Meditech Code	
Other information required	Assay currently unavailable
Postal Address	Eastern Pathology Alliance, Laboratory Medicine East Block, Level 1, Norfolk and Norwich University NHS Foundation Trust, Colney Lane, Norwich, NR4 7UY.
Contact Name	Dr. Allison Chipchase
Contact Telephone Number	01603 287945
Contact Email Address	nnu-tr.nnuhdutybiochemist@nhs.net ; nnuh.labmedresults@nnuh.nhs.uk
Dispatch	Send frozen
Turnaround Time	N/A
External Website	

Phosphoethanolamine (PEA)

Discipline Responsibility	Biochemistry
Sample Type	Urine
Sample Volume	5mL
Storage	Frozen
Meditech Code	
Other information required	
Postal Address	Dept. of Clinical Chemistry and Newborn Screening, Sheffield Children's NHS Foundation Trust, Western Bank, Sheffield, S10 2TH.
Contact Name	Claire Hart
Contact Telephone Number	0114 271 7307
Contact Email Address	claire.hart10@nhs.net
Dispatch	First class post
Turnaround Time	21 days
External Website	

Pipecholic acid

Discipline Responsibility	Biochemistry
Sample Type	Serum/Plasma/CSF/Urine
Sample Volume	500uL (serum/plasma)/500uL (CSF)/5mL (urine)
Storage	Frozen
Meditech Code	PIPA/ PIPACSF/ UIPA
Other information required	
Postal Address	Dept. of Clinical Chemistry and Newborn Screening, Sheffield Children's NHS Foundation Trust, Western Bank, Sheffield, S10 2TH.
Contact Name	Claire Hart
Contact Telephone Number	0114 271 7307
Contact Email Address	claire.hart10@nhs.net
Dispatch	First class post
Turnaround Time	6 weeks
External Website	

Phenytoin (free)

Discipline Responsibility	Biochemistry
Sample Type	Serum (Lithium heparin plasma also acceptable)
Sample Volume	100uL
Storage	Fridged
Meditech Code	
Other information required	
Postal Address	Neuroimmunology, The Walton Centre NHS Foundation Trust, Lower Lane, Fazakerley, Liverpool, L9 7LJ
Contact Name	Mr. Edward Jackson
Contact Telephone Number	0151 556 3262
Contact Email Address	wcf-tr.neurobiochemistry@nhs.net
Dispatch	First class post
Turnaround Time	2 working days
External Website	https://www.thewaltoncentre.nhs.uk/neuroscience-laboratories.htm

Plasmalogens

Discipline Responsibility	Biochemistry
Sample Type	Whole Blood (EDTA)
Sample Volume	5mL
Storage	Fridged
Meditech Code	PLASMALOGENS
Other information required	Sample must reach referral lab within 24hrs of collection. Ideally samples should be collected Mon-Wed only.
Postal Address	Willink Biochemical Genetics Laboratory, Manchester Centre for Genomic Medicine, St. Mary's Hospital, Manchester University NHS Foundation Trust, Oxford Road, Manchester, M13 9WL.
Contact Name	Robert Gibson
Contact Telephone Number	0161 701 2137/8612
Contact Email Address	mft.willink-enquiries@nhs.net
Dispatch	First class post
Turnaround Time	4 weeks
External Website	

Platelet Nucleotides

Discipline Responsibility	Haematology
Sample Type	Whole Blood (Citrated)
Sample Volume	10mL
Storage	
Meditech Code	
Other information required	Inform St James Hospital. Sample must arrive at referral lab within 2hrs of collection. (Liaise with HTC, referral lab and courier).
Postal Address	Specialist Haemostais Lab, Pathology Dept. Block 32, Chancellors Wing, St. James University Hospital, Beckett Street, Leeds, LS9 7TF.
Contact Name	Gillian Stevens
Contact Telephone Number	0113 206 5620
Contact Email Address	gillian.stevens@leedsth.nhs.uk
Dispatch	Courier
Turnaround Time	4 weeks
External Website	

Polymorph Function Test-Adhesion Screen (CD11 and CD18)

Discipline Responsibility	Haematology
Sample Type	EDTA
Sample Volume	5mL
Storage	
Meditech Code	
Other information required	Sample must arrive same day. Note other polymorph function tests arrangement only with Andrew Moran.
Postal Address	Andrew Moran, Department of Immunology, Clinical Sciences Building, Salford Royal Foundation Trust, Stott Lane, M6 8HD.
Contact Name	Andrew Moran
Contact Telephone Number	0161 789 7373
Contact Email Address	andrew.moran@sfc.nhs.uk
Dispatch	Transport will be allocated by Hotel Services
Turnaround Time	7 working days
External Website	

Polyol Analysis (Ribose-5-phosphate isomerase deficiency)

Discipline Responsibility	Biochemistry
Sample Type	Urine
Sample Volume	2-5mL
Storage	Frozen
Meditech Code	
Other information required	
Postal Address	Department of Clinical Chemistry, Metabolic Unit PK-1-X-00G, VU University Medical Centre, DE Boeleaan 1117, 1081 HV Amsterdam, The Netherlands.
Contact Name	Cornelis Jakobs
Contact Telephone Number	
Contact Email Address	
Dispatch	Frozen
Turnaround Time	
External Website	

Porphobilinogen (PBG)

Discipline Responsibility	Biochemistry
Sample Type	Urine
Sample Volume	3mL
Storage	Frozen
Meditech Code	PBG
Other information required	Sample should be taken at the time of an acute attack. Sample must be protected from light. It is important to include all available clinical details on the request form.
Postal Address	Department of Medical Biochemistry and Immunology, University Hospital of Wales, Heath Park, Cardiff, CF14 4XW
Contact Name	Jackie Woolf
Contact Telephone Number	029 2184 3565
Contact Email Address	CAV_porphyrria@wales.nhs.uk
Dispatch	First class post
Turnaround Time	10 working days
External Website	

Porphyrin screen (faeces)

Discipline Responsibility	Biochemistry
Sample Type	Faeces
Sample Volume	5g
Storage	Frozen
Meditech Code	FPORPH
Other information required	Sample must be protected from light. It is important to include all available clinical details on the request form.
Postal Address	Department of Medical Biochemistry and Immunology, University Hospital of Wales, Heath Park, Cardiff, CF14 4XW
Contact Name	Jackie Woolf
Contact Telephone Number	029 2184 3565
Contact Email Address	CAV_porphyria@wales.nhs.uk
Dispatch	First class post
Turnaround Time	15 working days
External Website	

Porphyrin screen (plasma)

Discipline Responsibility	Biochemistry
Sample Type	Whole Blood (EDTA)
Sample Volume	5-10mL
Storage	Fridged
Meditech Code	PORPHBLOOD
Other information required	Sample must be protected from light. It is important to include all available clinical details on the request form.
Postal Address	Department of Medical Biochemistry and Immunology, University Hospital of Wales, Heath Park, Cardiff, CF14 4XW
Contact Name	Jackie Woolf
Contact Telephone Number	029 2184 3565
Contact Email Address	CAV_porphyria@wales.nhs.uk
Dispatch	First class post
Turnaround Time	10 working days
External Website	

Porphyrin screen (red cell)

Discipline Responsibility	Biochemistry
Sample Type	Whole Blood (EDTA)
Sample Volume	5-10mL
Storage	Fridged
Meditech Code	PORPHBLOOD
Other information required	Sample must be protected from light. It is important to include all available clinical details on the request form.
Postal Address	Department of Medical Biochemistry and Immunology, University Hospital of Wales, Heath Park, Cardiff, CF14 4XW
Contact Name	Jackie Woolf
Contact Telephone Number	029 2184 3565
Contact Email Address	CAV_porphyria@wales.nhs.uk
Dispatch	First class post
Turnaround Time	10 working days
External Website	

Porphyrin screen (urine)

Discipline Responsibility	Biochemistry
Sample Type	Urine
Sample Volume	2mL (Ideally taken at time of acute attack)
Storage	Frozen
Meditech Code	UPORPHYRINS
Other information required	Sample must be protected from light. It is important to include all available clinical details on the request form.
Postal Address	Department of Medical Biochemistry and Immunology, University Hospital of Wales, Heath Park, Cardiff, CF14 4XW
Contact Name	Jackie Woolf
Contact Telephone Number	029 2184 3565
Contact Email Address	CAV_porphyria@wales.nhs.uk
Dispatch	First class post
Turnaround Time	15 working days
External Website	

Pre-albumin (transthyretin)

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	2mL
Storage	Fridged
Meditech Code	
Other information required	
Postal Address	PRU and Immunology Dept, Laboratory Medicine Building, North Lane, Northern General Hospital, Herries Road, Sheffield, S5 7AU.
Contact Name	Mr. Kevin Green
Contact Telephone Number	0114 271 5552
Contact Email Address	sht-tr.enquiriesPRUsheffield@nhs.net
Dispatch	DX Address: Protein Reference Unit, PO Box 894, Sheffield, S5 7YT. DX Number: 6261402
Turnaround Time	7 working days
External Website	https://pru-sheffield.org.uk/

Procalcitonin (PCT)

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	300uL
Storage	Fridged, but must be frozen if not sent within 24 hours of collection.
Meditech Code	PCT
Other information required	Must analyse within 2 days if collection, unless frozen. Stable for 24 hrs at room temperature, and upto 2 days at 4oC. Add-ons not advised due to short stability. Refer to Biochemsit if unsure.
Postal Address	Dept of Clinical Biochemistry, LCL Clinical Support Services Building, Mount Vernon Street, Liverpool, L7 8YE
Contact Name	Lisa Bailey
Contact Telephone Number	0151 706 4230
Contact Email Address	lisa.bailey@rlbuht.nhs.uk
Dispatch	Local Transport
Turnaround Time	24 hours
External Website	

Progesterone

Discipline Responsibility	Biochemistry
Sample Type	Serum/Plasma (Lithium Heparin/EDTA)
Sample Volume	250uL
Storage	Fridged
Meditech Code	PROG
Other information required	To assess ovulation, samples should be taken on day 21 of 28 day cycle (or 7 days before start of period).
Postal Address	Dept of Clinical Biochemistry, LCL Clinical Support Services Building, Mount Vernon Street, Liverpool, L7 8YE
Contact Name	Anna Milan
Contact Telephone Number	0151 706 4755
Contact Email Address	anna.milan@rlbuht.nhs.uk
Dispatch	Local Transport
Turnaround Time	3 working days
External Website	

Prothrombin Gene Mutation (PGM)

Discipline Responsibility	Haematology
Sample Type	EDTA
Sample Volume	2mL
Storage	
Meditech Code	
Other information required	
Postal Address	Coagulation Department, Haematology, LCL Clinical Support Services Building, Mount Vernon Street, Liverpool, L7 8YE
Contact Name	Mariam Waite
Contact Telephone Number	0151 706 4967
Contact Email Address	mariam.waite@rlubt.nhs.uk
Dispatch	Local Transport
Turnaround Time	
External Website	

Purine and Pyrimidine screen

Discipline Responsibility	Biochemistry
Sample Type	Urine
Sample Volume	1mL
Storage	Frozen
Meditech Code	PURINE
Other information required	
Postal Address	Purine Research Lab, 4th Floor, North Wing, St Thomas' Hospital, London, SE1 7EH.
Contact Name	Lynette Fairbanks
Contact Telephone Number	0207 188 1266
Contact Email Address	lynette.fairbanks@viapath.co.uk
Dispatch	First class post
Turnaround Time	21 working days
External Website	

Pyridinoline/Deoxypyridinoline cross links (DPD/PYD)

Discipline Responsibility	Biochemistry
Sample Type	Urine
Sample Volume	10mL
Storage	Fridged
Meditech Code	DPYPYRRATIO
Other information required	Sample must be protected from light.
Postal Address	Eastern Pathology Alliance, Laboratory Medicine East Block, Level 1, Norfolk and Norwich University NHS Foundation Trust, Colney Lane, Norwich, NR4 7UY.
Contact Name	Dr. Allison Chipchase
Contact Telephone Number	01603 287945
Contact Email Address	nnu-tr.nnuhdutybiochemist@nhs.net ; nnuh.labmedresults@nnuh.nhs.uk
Dispatch	First class post
Turnaround Time	8 weeks
External Website	

Pyrophosphate (PPi)

Discipline Responsibility	
Sample Type	Li Hep blood
Sample Volume	10mL
Storage	Blood must be centrifuged using a Centristart 300,000 kD mass cut off filter (Sartorius), available from referral laboratory.
Meditech Code	MISC
Other information required	For diagnosis of GACI (Generalised Arterial Calcification of Infancy)
Postal Address	Klinik fuer Knider - und Jugendmedizin, Allgemeine Paediatric, Universitaetsklinikum Muenster, Albert-Schweitzer-Campus 1, Gbde, A1, D-48149 Muenster, Germany
Contact Name	Prof Frank Rutsch
Contact Telephone Number	+49 (0)251 83 40013
Contact Email Address	frank.rutsch@ukmuesnster.de , yvonne.nitschke@ukmuenster.de
Dispatch	Frozen on dry ice
Turnaround Time	
External Website	

Pyruvate/lactate ratio

Discipline Responsibility	Biochemistry
Sample Type	Lith Hep Whole Blood (special tube required - ask metabolic BMS)
Sample Volume	500uL
Storage	Freeze immediately after preparation
Meditech Code	MISC
Other information required	Requires 1ml of blood sample adding to special 10ml tube containing 5ml 0.46 mol/L perchloric acid within 10 minutes of sample collection. Tubes prepared by Metabolic (LS). Immediately after collection, thoroughly mix +placed on an ice pack before centrifugation. The sample is spun 5 min 3K rpm at 4oC. The supernatant is separated and kept in the freezer until analysis and analysed within 2 weeks of collection.
Postal Address	Chemical Pathology, Camilia Botnar Laboratories, Great Ormond Street Hospital for Children, Great Ormond Street, London, WC1N 3JH
Contact Name	Helen Aitkenhead
Contact Telephone Number	020 7405 9200, x5009 or bleep 0589
Contact Email Address	helen.aitkenhead@gosh.nhs.uk
Dispatch	Courier on dry ice
Turnaround Time	
External Website	http://www.labs.gosh.nhs.uk/

R3 MRD by Flow Cytometry

Discipline Responsibility	Haematology
Sample Type	ACD (Bone Marrow)
Sample Volume	3-5mL
Storage	
Meditech Code	
Other information required	Contact referral lab to inform them sample is being sent. Research investigation (ALL2003/R3 Leukaemia)-results not reported back to lab. If samples arrive over weekend contact referral lab regarding transport.
Postal Address	Jenny Jesson/Sue Jones, Haematology Department, Medical Laboratory Block, Birmingham Children's Hospital, Whittall Street, Birmingham, B4 6NH
Contact Name	Jenny Jesson/Sue Jones
Contact Telephone Number	0121 333 9865/9868
Contact Email Address	jennifer.jesson@bch.nhs.uk / s.jones@bch.nhs.uk
Dispatch	Use pre-paid blue royal mail boxes. First class post.
Turnaround Time	
External Website	

R3 MRD Samples CIGMR

Discipline Responsibility	Haematology
Sample Type	ACD (Bone Marrow)
Sample Volume	5mL
Storage	
Meditech Code	
Other information required	Please notify the trial manager when sending samples.
Postal Address	Genevive Pridden/Catriona Parker, CIGMR, Stopford Building, Oxford Road, Manchester, M13 9PT.
Contact Name	Genevive Pridden
Contact Telephone Number	0161 275 1622
Contact Email Address	catriona.parker@cancer.org.uk
Dispatch	First class post
Turnaround Time	48 hours
External Website	

Renal stones (calculi)

Discipline Responsibility	Biochemistry
Sample Type	Stone
Sample Volume	10mg
Storage	Fridged
Meditech Code	STONE
Other information required	
Postal Address	Clinical Biochemistry, 60 Whitfield Street, London, W1T 4EU.
Contact Name	Krithika Subramaniam
Contact Telephone Number	0203 447 9405
Contact Email Address	uclh.enquiry.biochemhelpdesk@nhs.net
Dispatch	DX Number: 6630800, DX Exchange: TOTTENHAM CT RD 90W
Turnaround Time	3 working days
External Website	

Renin

Discipline Responsibility	Biochemistry
Sample Type	Plasma (EDTA)
Sample Volume	500uL
Storage	Frozen
Meditech Code	RENIN
Other information required	
Postal Address	Specialist Biochemistry, Level C, Lab and Path Block, Southampton General Hospital, Tremona Road, Southampton, SO16 6YD
Contact Name	Robert Stevens
Contact Telephone Number	02381 208717
Contact Email Address	uhs.labresults@nhs.net / DB uhs.dutybiochemist@nhs.net
Dispatch	Send frozen
Turnaround Time	5 working days
External Website	

Retinol binding protein (RBP)

Discipline Responsibility	Biochemistry
Sample Type	Serum/Urine
Sample Volume	2mL (serum)/5mL (urine)
Storage	Fridged
Meditech Code	RBPU
Other information required	
Postal Address	PRU and Immunology Dept, Laboratory Medicine Building, North Lane, Northern General Hospital, Herries Road, Sheffield, S5 7AU.
Contact Name	Mr. Kevin Green
Contact Telephone Number	0114 271 5552
Contact Email Address	sht-tr.enquiriesPRUsheffield@nhs.net
Dispatch	DX Address: Protein Reference Unit, PO Box 894, Sheffield, S5 7YT. DX Number: 6261402
Turnaround Time	7 working days
External Website	https://pru-sheffield.org.uk/

Selenium (red cell)

Discipline Responsibility	Biochemistry
Sample Type	Red Cells (Serum/Lithium Heparin/Trace Metal Tube)
Sample Volume	100uL
Storage	Frozen
Meditech Code	RCSE
Other information required	Plasma selenium is the first line test (measured in-house). All samples with plasma selenium below the lower limit of the reference range should be reflexed for measurement of red blood cell selenium.
Postal Address	Dept.of Clinical Biochemistry, MacEwan Building, Glasgow Royal Infirmary, Castle Street, Glasgow, G4 0SF
Contact Name	John Wadsworth
Contact Telephone Number	0141 242 9560
Contact Email Address	Michelle.Barclay@ggc.scot.nhs.uk Yvonne.Stewart@ggc.scot.nhs.uk
Dispatch	First class post
Turnaround Time	
External Website	https://www.trace-elements.co.uk

Serum Protein Electrophoresis

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	2mL
Storage	Fridged
Meditech Code	ELECT
Other information required	Transport samples at ambient temperature
Postal Address	PRU and Immunology Dept, Laboratory Medicine Building, North Lane, Northern General Hospital, Herries Road, Sheffield, S5 7AU.
Contact Name	Mr. Kevin Green
Contact Telephone Number	0114 271 5552
Contact Email Address	sht-tr.enquiriesPRU@sheffield.nhs.net
Dispatch	DX Address: Protein Reference Unit, PO Box 894, Sheffield, S5 7YT. DX Number: 6261402
Turnaround Time	3 working days
External Website	https://pru-sheffield.org.uk/

Sex Hormone Binding Globulin (SHBG)

Discipline Responsibility	Biochemistry
Sample Type	Serum/Plasma (Lithium Heparin)
Sample Volume	250uL
Storage	Fridged
Meditech Code	SHBG
Other information required	
Postal Address	Dept of Clinical Biochemistry, LCL Clinical Support Services Building, Mount Vernon Street, Liverpool, L7 8YE
Contact Name	Anna Milan
Contact Telephone Number	0151 706 4755
Contact Email Address	Yvonne.Stewart@ggc.scot.nhs.uk
Dispatch	Local Transport
Turnaround Time	2 working days
External Website	

Sirolimus

Discipline Responsibility	Biochemistry
Sample Type	Whole Blood (EDTA)
Sample Volume	500uL
Storage	
Meditech Code	
Other information required	Must be at post room before 3pm. Samples stable for
Postal Address	Dept of Blood Sciences, Newcastle upon Tyne Hospitals NHS Foundation Trust, Freeman Hospital, Freeman Road, High Heaton, Newcastle, NE7 7DN.
Contact Name	J Wallis
Contact Telephone Number	0191 233 6161
Contact Email Address	n.lever@rbht.nhs.uk
Dispatch	First class post
Turnaround Time	5 working days
External Website	

Steroid profile

Discipline Responsibility	Biochemistry
Sample Type	Urine (random/24hr)
Sample Volume	20mL (10mls minimum ideally). All samples collected will be analysed regardless of volume.
Storage	Fridged
Meditech Code	USTERIODS/ USTERIODS24
Other information required	Note whether random or 24hr urine collection on Meditech and SAS form. If 24hr urine, also note urine volume. It is preferable to collect samples prior to correction of any electrolyte abnormality.
Postal Address	Department of Clinical Biochemistry, Viapath, King's College Hospital, Denmark Hill, London, SE5 9RS.
Contact Name	Dr David Taylor
Contact Telephone Number	020 3299 3576/4131
Contact Email Address	kch-tr.steroidlaboratory@nhs.net
Dispatch	First class post within 4 days of sample collection
Turnaround Time	3 weeks Urgent results can usually be given over the phone within 3 working days.
External Website	

Sulphocysteine

Discipline Responsibility	Biochemistry
Sample Type	Urine
Sample Volume	1mL
Storage	Frozen
Meditech Code	SULPHOCYS
Other information required	
Postal Address	Purine Research Lab, 4th Floor, North Wing, St Thomas' Hospital, London, SE1 7EH.
Contact Name	Lynette Fairbanks
Contact Telephone Number	0207 188 1266
Contact Email Address	lynette.fairbanks@viapath.co.uk
Dispatch	First class post
Turnaround Time	21 working days
External Website	

Surfactant Genotype

Discipline Responsibility	Haematology
Sample Type	Whole Blood (EDTA)/Other e.g. buccal swab
Sample Volume	5mL (blood)
Storage	
Meditech Code	
Other information required	
Postal Address	DNA Specimen Reception, Level 6, York House, Great Ormond Street Hospital, 37 Queen Square, London, WC1N 3BH.
Contact Name	
Contact Telephone Number	020 7762 6888
Contact Email Address	
Dispatch	First class post
Turnaround Time	
External Website	

Teicoplanin

Discipline Responsibility	Biochemistry
Sample Type	Serum (Lithium heparin plasma also acceptable)
Sample Volume	300uL
Storage	Fridged
Meditech Code	TEICO
Other information required	
Postal Address	Dept of Clinical Biochemistry, LCL Clinical Support Services Building, Mount Vernon Street, Liverpool, L7 8YE
Contact Name	Lisa Bailey
Contact Telephone Number	0151 706 4230
Contact Email Address	lisa.bailey@rlbuht.nhs.uk
Dispatch	Local Transport
Turnaround Time	24 hours
External Website	

Telomere length by flow-FISH

Discipline Responsibility	Haematology
Sample Type	Whole Blood (EDTA)
Sample Volume	5-10mL
Storage	
Meditech Code	
Other information required	<p>Inform Repeat Diagnostics by email at request@repeatdx.com of date shipped It is very important to collect and ship the blood specimen in the morning and only from Monday to Wednesday Fill in Repeat Diagnostics Requisition Form available @ http://www.repeatdx.com/order-telomere-test/</p>
Postal Address	<p>Telomerdiagnostik, Hamatologisches Labor Klinik fur, Hamatologis, Onkologie, Hamostaseologie und Stammzelltransplantation, Pauwelsstrasse 30, 52074 Aachen</p>
Contact Name	Frau Lucia Vankann
Contact Telephone Number	
Contact Email Address	
Dispatch	Send immediately (within 2 days)
Turnaround Time	
External Website	

Testosterone (mass spec)

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	250uL
Storage	Fridged
Meditech Code	TESTOMS
Other information required	
Postal Address	Clinical Biochemistry, 4th Floor Pathology and Pharmacy Building, 80 Newark Street, Whitechapel, London, E1 2ES.
Contact Name	
Contact Telephone Number	020 7377 7000 - ext 61011
Contact Email Address	bhnt.clinbiochemadvice-barts@nhs.net
Dispatch	First class post
Turnaround Time	5 working days
External Website	https://www.eselpathology.nhs.uk/download.cfm?doc=docm93jjjm4n5479

Thiopental

Discipline Responsibility	Biochemistry
Sample Type	Serum (Lithium heparin plasma also acceptable)
Sample Volume	500uL
Storage	Frozen
Meditech Code	THIO
Other information required	<p>Sample should be separated immediately upon collection and frozen.</p> <p>Analysis is only available Monday - Friday following prior communication with Paediatric Duty Biochemist at MRI. Samples received by midday will be reported by end of that day. Any samples collected on a Friday or over the weekend should be separated, fro</p> <p>Must note if patient is taking carbamazepine. This test is not suitable for therapeutic drug monitoring but can be used for determining drug levels for end of life or in patients once drug has been withdrawn.</p>
Postal Address	Central Specimen Reception, c/o Clinical Biochemistry, Clinical Sciences Building 3, Manchester University NHS Foundation Trust, Oxford Road, Manchester, M13 9WL.
Contact Name	Paediatric Duty Biochemist / Chris Reeves
Contact Telephone Number	0161 701 2255
Contact Email Address	duty.paedbiochemist@mft.nhs.uk
Dispatch	Send frozen
Turnaround Time	24 hours (Mon-Fri)
External Website	https://mft.nhs.uk/app/uploads/2020/01/Thiopental-serum.pdf

Thiopurine metabolites (6-TGN/6-MMPN)/ AZA metabolites

Discipline Responsibility	Biochemistry
Sample Type	Whole Blood (EDTA)
Sample Volume	2ml
Storage	Fridged (do not freeze)
Meditech Code	AZA
Other information required	Sample must reach referral laboratory within 5 days of collection.
Postal Address	Clinical Biochemistry Dept, City Hospital, Dudley Road, Birmingham, B18 7QH.
Contact Name	
Contact Telephone Number	0121 507 5345
Contact Email Address	BCPSpathology.info@nhs.net
Dispatch	First class post (recorded if close to 10 day cutoff)
Turnaround Time	2 working days
External Website	http://www.cityassays.org.uk/6-TGN.html

Thrombophilia Screen-includes PROTEIN C, AND S, ATIII,APCR,APCRV, FVL, PGM

Discipline Responsibility	Haematology
Sample Type	Plasma (Citrated) (If FVL and PGM required need EDTA also)
Sample Volume	2mL (3x1.3mL coag samples)
Storage	
Meditech Code	
Other information required	FVL.PGM samples send daily. Thrombophilia screen samples send weekly (store in H1 freezer).
Postal Address	Coagulation Department, Haematology, LCL Clinical Support Services Building, Mount Vernon Street, Liverpool, L7 8YE
Contact Name	Mariam Waite
Contact Telephone Number	0151 706 4967
Contact Email Address	mariam.waite@rlubt.nhs.uk
Dispatch	Local Transport
Turnaround Time	
External Website	

Thyroglobulin (Tg)

NB. This is not the same as anti- thyroglobulin antibodies

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	2mL
Storage	Fridged
Meditech Code	THYROGLOBULIN
Other information required	Some samples will need to be sent to Birmingham Queen Elizabeth. Check with DB prior to sending.
Postal Address	PRU and Immunology Dept, Laboratory Medicine Building, North Lane, Northern General Hospital, Herries Road, Sheffield, S5 7AU.
Contact Name	Mr. Kevin Green
Contact Telephone Number	0114 271 5552
Contact Email Address	sht-tr.enquiriesPRUsheffield@nhs.net
Dispatch	DX Address: Protein Reference Unit, PO Box 894, Sheffield, S5 7YT. DX Number: 6261402
Turnaround Time	2 working days
External Website	https://pru-sheffield.org.uk/

Toxicology screen

Discipline Responsibility	Biochemistry
Sample Type	Urine preferred (Serum/plasma (Lithium Heparin) samples are also acceptable).
Sample Volume	5mL
Storage	Fridged
Meditech Code	TOXICBSCREEN/ TOXICFLSCREEN/ TOXICUSCREEN
Other information required	No weekend/OOH service is available for urgent Tox requests. Samples received after 4pm will be analysed next working day. Please advise of urgent requests. All OOH requests MUST be discussed by the requesting consultant with the on-call toxicology Consult
Postal Address	Clinical Biochemistry Dept, City Hospital, Dudley Road, Birmingham, B18 7QH.
Contact Name	
Contact Telephone Number	0121 507 4138
Contact Email Address	swbh.toxicology@nhs.net
Dispatch	First class Recorded (not on Fridays as post room is shut over WE).
Turnaround Time	1 working day
External Website	http://www.cityassays.org.uk/Urine%20Drugs%20of%20Abuse.html

TPMT

Discipline Responsibility	Biochemistry
Sample Type	Whole Blood (EDTA)
Sample Volume	2mL
Storage	Fridged
Meditech Code	TPMT
Other information required	<p>Sample must reach referral laboratory within 5 days of collection.</p> <p>Samples from patients who have received a recent blood transfusion can give misleading results. Provide details of recent transfusions (within 90 days).</p> <p>TPMT genotyping is reflexed for all results <35 mU/L. If a TPMT genotype is required regardless of TPMT activity state TPMT genotype on request form.</p>
Postal Address	Clinical Biochemistry Dept, City Hospital, Dudley Road, Birmingham, B18 7QH.
Contact Name	
Contact Telephone Number	0121 507 5345
Contact Email Address	BCPSpathology.info@nhs.net
Dispatch	First class post
Turnaround Time	1 working day
External Website	

Transferrin (TRF) Glycoforms

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	100uL
Storage	Fridged
Meditech Code	GLYCOFORM
Other information required	Plasma samples are also suitable for analysis if not EDTA plasma. Test may be unreliable in neonates younger than three weeks due to the presence of maternal transferrin. Recent transfusion may invalidate the result. Haemolysed samples are unsuitable.
Postal Address	Neuroimmunology and CSF Laboratory, Institute of Neurology (NHNN) Box 76, Queen Square, London, WC1N 3BG.
Contact Name	Dr. Melanie Hart
Contact Telephone Number	020 3448 3812
Contact Email Address	uclh.enquiry.nhnn-nicl@nhs.net
Dispatch	Send recorded
Turnaround Time	9 working days
External Website	

Trimethylamine

Discipline Responsibility	Biochemistry
Sample Type	Urine (random/24hr)
Sample Volume	10mL
Storage	Acidify to pH2 with HCl. Store frozen
Meditech Code	UTMA
Other information required	Note whether random or 24hr urine collection on Meditech and SAS form. If 24hr urine, also note urine volume.
Postal Address	Dept. of Clinical Chemistry and Newborn Screening, Sheffield Children's NHS Foundation Trust, Western Bank, Sheffield, S10 2TH.
Contact Name	Claire Hart
Contact Telephone Number	0114 271 7307
Contact Email Address	claire.hart10@nhs.net
Dispatch	First class post
Turnaround Time	8 weeks
External Website	

Tryptase (Mast Cell Tryptase)

Discipline Responsibility	Biochemistry
Sample Type	Serum
Sample Volume	3mL
Storage	Fridged
Meditech Code	TRYPTASE
Other information required	
Postal Address	Clinical Immunology, LCL Clinical Support Services Building, Mount Vernon Street, Liverpool, L7 8YE
Contact Name	Ian Robinson
Contact Telephone Number	0151 706 4350
Contact Email Address	Trevor.Robinson@rlbuht.nhs.uk
Dispatch	First class post/Local Transport
Turnaround Time	7 working days
External Website	

Tumour markers (CA125, CA19-9, CA153, CEA, PSA)

Discipline Responsibility	Biochemistry
Sample Type	Serum/Plasma (Lithium Heparin/EDTA)
Sample Volume	300uL
Storage	Fridged
Meditech Code	CA125/ CA19-9/ CA15-3/ CEA/ PSA
Other information required	
Postal Address	Dept of Clinical Biochemistry, LCL Clinical Support Services Building, Mount Vernon Street, Liverpool, L7 8YE
Contact Name	Anna Milan
Contact Telephone Number	0151 706 4755
Contact Email Address	anna.milan@rlbuht.nhs.uk
Dispatch	Local Transport
Turnaround Time	7 working days
External Website	

Type-1 procollagen peptide (P1NP)

Discipline Responsibility	Biochemistry
Sample Type	Serum/Plasma (EDTA)
Sample Volume	500uL
Storage	Frozen
Meditech Code	P1NP
Other information required	
Postal Address	Eastern Pathology Alliance, Laboratory Medicine East Block, Level 1, Norfolk and Norwich University NHS Foundation Trust, Colney Lane, Norwich, NR4 7UY.
Contact Name	Dr. Allison Chipchase
Contact Telephone Number	01603 287945
Contact Email Address	nnu-tr.nnuhdutybiochemist@nhs.net ; nnuh.labmedresults@nnuh.nhs.uk
Dispatch	First class post
Turnaround Time	2 weeks
External Website	

Valproate

Discipline Responsibility	Biochemistry
Sample Type	Serum (preferred)/Plasma
Sample Volume	500uL
Storage	Stable for 2 days at RT, 7 days at 2-8C or 3 months at -20C
Meditech Code	VALP
Other information required	
Postal Address	Dept of Clinical Biochemistry, LCL Clinical Support Services Building, Mount Vernon Street, Liverpool, L7 8YE
Contact Name	Anna Milan
Contact Telephone Number	0151 706 4011
Contact Email Address	anna.milan@rlbuht.nhs.uk
Dispatch	Local Transport
Turnaround Time	<72 hrs
External Website	

Very Long Chain Fatty Acids (VLCFA) including Phytanic and Pristanic Acid

Discipline Responsibility	Biochemistry
Sample Type	Serum/Plasma
Sample Volume	500uL
Storage	Frozen
Meditech Code	VLCFA
Other information required	
Postal Address	Dept. of Clinical Chemistry and Newborn Screening, Sheffield Children's NHS Foundation Trust, Western Bank, Sheffield, S10 2TH.
Contact Name	Claire Hart
Contact Telephone Number	0114 271 7307
Contact Email Address	claire.hart10@nhs.net
Dispatch	First class post
Turnaround Time	6 weeks
External Website	

Vitamin B1 (Thiamine)

Discipline Responsibility	Biochemistry
Sample Type	Whole Blood (Lithium Heparin/EDTA)
Sample Volume	350uL
Storage	Fridged but freeze if not sent immediately). Ask Biochemsitry BMS.
Meditech Code	VITB1
Other information required	In TPN Patients, a fasting sample or sample collected 8 hours after last feed. Sample should reach referral lab within 72hrs of collection. If not possible, store whole blood frozen until sending and then send by first class post (ice or dry ice not required).
Postal Address	Dept.of Clinical Biochemistry, MacEwan Building, Glasgow Royal Infirmary, Castle Street, Glasgow, G4 0SF
Contact Name	John Wadsworth
Contact Telephone Number	0141 242 9560
Contact Email Address	Michelle.Barclay@ggc.scot.nhs.uk Yvonne.Stewart@ggc.scot.nhs.uk
Dispatch	First class post
Turnaround Time	5 working days
External Website	https://www.trace-elements.co.uk/vitamin-b1.asp

Vitamin B2

Discipline Responsibility	Biochemistry
Sample Type	Whole Blood (Lithium Heparin/EDTA) (PROTECT FROM LIGHT)
Sample Volume	1mL
Storage	Fridged (freeze packed red cells if not sent immediately). Ask Biochemistry BMS.
Meditech Code	
Other information required	Sample should reach referral lab within 72hrs of collection. If not possible, prepare red cells (minimum volume 300 µL) by removing and discarding plasma and buffy layer (mark clearly on tube that they are red cells) and store frozen until sending and then Samples should be protected from light.
Postal Address	Dept.of Clinical Biochemistry, MacEwan Building, Glasgow Royal Infirmary, Castle Street, Glasgow, G4 0SF
Contact Name	John Wadsworth
Contact Telephone Number	0141 242 9560
Contact Email Address	Michelle.Barclay@ggc.scot.nhs.uk Yvonne.Stewart@ggc.scot.nhs.uk
Dispatch	First class post
Turnaround Time	4 working days
External Website	https://www.trace-elements.co.uk/vitamin-b2.asp

Vitamin B6

Discipline Responsibility	Biochemistry
Sample Type	Whole Blood (Lithium Heparin/EDTA) (PROTECT FROM LIGHT)
Sample Volume	1mL
Storage	Fridged (freeze packed red cells if not sent immediately). Ask Biochemistry BMS.
Meditech Code	VITB6
Other information required	Sample should reach referral lab within 72hrs of collection. If not possible, prepare red cells (minimum volume 300 µL) by removing and discarding plasma and buffy layer (mark clearly on tube that they are red cells) and store frozen until sending and then Samples should be protected from light.
Postal Address	Dept.of Clinical Biochemistry, MacEwan Building, Glasgow Royal Infirmary, Castle Street, Glasgow, G4 0SF
Contact Name	John Wadsworth
Contact Telephone Number	0141 242 9560
Contact Email Address	Michelle.Barclay@ggc.scot.nhs.uk Yvonne.Stewart@ggc.scot.nhs.uk
Dispatch	First class post
Turnaround Time	5 working days
External Website	https://www.trace-elements.co.uk/vitamin-b6.asp

Vitamin B6 (PLP) (plasma)

Discipline Responsibility	Biochemistry
Sample Type	Plasma (Lithium Heparin/EDTA)
Sample Volume	600uL
Storage	Protect from light.+ fridged (store frozen packed cells if not sent imediately - Ask BMS senior).
Meditech Code	VITB6
Other information required	Used in the investigation of hypophosphataesia. Sample should reach referral lab within 72hrs of collection. If not possible, prepare red cells (minimum volume 300 µL) by removing and discarding plasma and buffy layer (mark clearly on tube that they are red cells) and store frozen until sending and th Samples should be protected from light.
Postal Address	Dept.of Clinical Biochemistry, MacEwan Building, Glasgow Royal Infirmary, Castle Street, Glasgow, G4 0SF
Contact Name	John Wadsworth
Contact Telephone Number	0141 242 9560
Contact Email Address	Michelle.Barclay@ggc.scot.nhs.uk Yvonne.Stewart@ggc.scot.nhs.uk
Dispatch	First class post
Turnaround Time	5 working days
External Website	https://www.trace-elements.co.uk/vitamin-b6.asp

Vitamin C

Discipline Responsibility	Biochemistry
Sample Type	Plasma (Lithium Heparin/EDTA)
Sample Volume	250uL
Storage	Frozen
Meditech Code	VITC
Other information required	Stablise plasma by adding equal volumes of plasma and 6% metaphosphoric acid (Metabolic fridge, B3). Mix for 30secs and freeze.
Postal Address	Dept.of Clinical Biochemistry, MacEwan Building, Glasgow Royal Infirmary, Castle Street, Glasgow, G4 0SF
Contact Name	John Wadsworth
Contact Telephone Number	0141 242 9560
Contact Email Address	Michelle.Barclay@ggc.scot.nhs.uk Yvonne.Stewart@ggc.scot.nhs.uk
Dispatch	First class post
Turnaround Time	4 working days
External Website	https://www.trace-elements.co.uk/vitamin-c.asp

Vitamin K

Discipline Responsibility	Biochemistry
Sample Type	Plasma (Lithium Heparin/EDTA)
Sample Volume	500ul
Storage	Protect from light
Meditech Code	
Other information required	Sample should reach referral lab within 72hrs of collection. If not possible, store plasma frozen until sending and then send by first class post (ice or dry ice not required).
Postal Address	Dept.of Clinical Biochemistry, MacEwan Building, Glasgow Royal Infirmary, Castle Street, Glasgow, G4 0SF
Contact Name	Louise Boughen
Contact Telephone Number	0141 242 9578
Contact Email Address	Michelle.Barclay@ggc.scot.nhs.uk Yvonne.Stewart@ggc.scot.nhs.uk
Dispatch	First class post
Turnaround Time	6 working days
External Website	https://www.trace-elements.co.uk/vitamin-k.asp

VW Binding Assay and VW Multimers

Discipline Responsibility	Haematology
Sample Type	Plasma (Citrated)
Sample Volume	2 x 0.5mL
Storage	Frozen
Meditech Code	
Other information required	
Postal Address	Royal Hallamshire Hospital, Glossop Road, Sheffield.
Contact Name	Annetee Bowyer/Karen Goodfellow
Contact Telephone Number	0114 271 2955
Contact Email Address	
Dispatch	Frozen
Turnaround Time	
External Website	

White Cell and Plasma Lysosomal Enzyme Screen (WCE)

Discipline Responsibility	Biochemistry
Sample Type	Whole Blood (EDTA)
Sample Volume	5mL (ideal) Please consult Duty Biochemist if sample <5mls in volume
Storage	Fridged
Meditech Code	WCE
Other information required	Sample must reach referral lab within 72hrs of collection. (Ideally collect sample Mon-Wed only). Contains chitotriosidase, β -hexosaminidase A+B, β -mannosidase, β -hexosaminidase A, aspartylglucosaminidase, β -glucuronidase, β -galactosidase, α -mannosidase, α -galactosidase, α -fucosidase, acid esterase, arylsulphatase A, β -glucosidase, sphingomyelinase, galactocerebrosidase, N-acetyl- α -galactosaminidase.
Postal Address	Willink Biochemical Genetics Laboratory, Manchester Centre for Genomic Medicine, St. Mary's Hospital, Manchester University NHS Foundation Trust, Oxford Road, Manchester, M13 9WL.
Contact Name	Robert Gibson
Contact Telephone Number	0161 701 2137/8612
Contact Email Address	mft.willink-enquiries@nhs.net
Dispatch	Special delivery
Turnaround Time	4 weeks
External Website	

White cell cystine (WCC)

Discipline Responsibility	Biochemistry
Sample Type	Lithium Heparin Whole blood (White Cell prep).
Sample Volume	5mL
Storage	Frozen at -70oC
Meditech Code	WCC
Other information required	
Postal Address	Genetics Laboratory, 5th Floor, Tower Wing, Guys Hospital, Great Maze Pond, London, SE1 9RT.
Contact Name	
Contact Telephone Number	
Contact Email Address	
Dispatch	Send frozen
Turnaround Time	3 weeks
External Website	

Discipline Responsibility	
Sample Type	
Sample Volume	
Storage	
Meditech Code	
Other information required	
Postal Address	
Contact Name	
Contact Telephone Number	
Contact Email Address	
Dispatch	
Turnaround Time	
External Website	

Discipline Responsibility	
Sample Type	
Sample Volume	
Storage	
Meditech Code	
Other information required	
Postal Address	
Contact Name	
Contact Telephone Number	
Contact Email Address	
Dispatch	
Turnaround Time	
External Website	

Discipline Responsibility	
Sample Type	
Sample Volume	
Storage	
Meditech Code	
Other information required	
Postal Address	
Contact Name	
Contact Telephone Number	
Contact Email Address	
Dispatch	
Turnaround Time	
External Website	

Discipline Responsibility	
Sample Type	
Sample Volume	
Storage	
Meditech Code	
Other information required	
Postal Address	
Contact Name	
Contact Telephone Number	
Contact Email Address	
Dispatch	
Turnaround Time	
External Website	

Discipline Responsibility	
Sample Type	
Sample Volume	
Storage	
Meditech Code	
Other information required	
Postal Address	
Contact Name	
Contact Telephone Number	
Contact Email Address	
Dispatch	
Turnaround Time	
External Website	

Discipline Responsibility	
Sample Type	
Sample Volume	
Storage	
Meditech Code	
Other information required	
Postal Address	
Contact Name	
Contact Telephone Number	
Contact Email Address	
Dispatch	
Turnaround Time	
External Website	

Discipline Responsibility	
Sample Type	
Sample Volume	
Storage	
Meditech Code	
Other information required	
Postal Address	
Contact Name	
Contact Telephone Number	
Contact Email Address	
Dispatch	
Turnaround Time	
External Website	