

Test repertoire and where samples are processed

No.of copies :	2
Location of copies :	1. Q-Pulse – Barnsley and Rotherham 2. Barnsley and Rotherham webpages

The following table sets out the departmental repertoires and on which site the tests are routinely processed. When the assay is available on both sites, where the test is processed will depend on where the sample is collected:

- Samples taken in Barnsley wards, OPD and phlebotomy department - Processed at Barnsley
- Samples taken in Rotherham wards, OPD and phlebotomy department - Processed at Rotherham (some Microbiology serology work transferred to Barnsley)
- Samples taken at a GP practice (Barnsley or Rotherham) and transported by Courier - Processed at Barnsley (not applicable to Histology)
- At times of equipment failure work may be transferred to the partner laboratory for analysis, providing that the partner laboratory is accredited to perform the test.
- Specialist tests will be referred to the appropriate referral laboratory, the location will be stated in the final report. When we send samples to a referral laboratory we will have selected and evaluated their performance in advance to have assurance that the quality of service meets our needs.
- Site of testing is recorded via the laboratory audit trail and information on individual tests can be provided if required.
- Some samples may be taken at a GP practice and taken to the nearest Trust for analysis.

Tests	Rotherham	Barnsley	Both sites	Other referral Labs
Blood Sciences				
Biochemistry				
11 DEOXY CORTISOL				✓
17 A OH PROGESTERONE				✓
24 HOUR URINE COPPER				✓
24 HOUR URINE PHOSPHATE			✓	
5 ALPHA DIHYDROTESTO.				✓
ANTI- CCP		✓		
AMYLASE		✓		
ANGIOTENSIN CONVERT. ENZ.				✓
ALBUMIN CREATININE RATIO		✓		
ACTH				✓
ACYLCARNITINE				✓
FABRY TEST(ALPHA-GALACT.)				✓
ETHANOL / ALCOHOL		✓		
ALDOSTERONE				✓
ALP ISOENZYMES				✓
ANTI MULLERIAN HORMONE				✓

Tests	Rotherham	Barnsley	Both sites	Other referral Labs
AMMONIA			✓	
ANDROSTENEDIONE				✓
APO E GENOTYPE				✓
ALDOSTERONE RENIN RATIO				✓
ASCITIC FLUID PROFILE			✓	
B12 & SERUM FOLATE			✓	
B2 MICROGLOBULIN	✓			
BONE ALK PHOS				✓
BETA CAROTENE				✓
BHCG			✓	
BICARBONATE			✓	
BILE ACID	✓			
BIOTINIDASE				✓
CRP			✓	
CSF ACE				✓
URINE CALCIUM CREAT RATIO			✓	
CAFFEINE				✓
CALCULI				✓
CALCITONIN				✓
CALCIUM PROFILE			✓	
CARBAMAZEPINE			✓	
CARNITINE				✓
24HRCATECHOLAMINE	✓			
CADMIUM				✓
CHROMOGRANIN A				✓
CSF GLYCINE				✓
CHOLESTEROL			✓	
Conjugated Bilirubin			✓	
CREATINE KINASE			✓	
CK ISOENZYMES				✓
CK MB (MASS)				✓
CHLORIDE			✓	
CSF LACTATE			✓	
CSF LDH			✓	
CHILD LIPID PROFILE			✓	
CARBON MONOXIDE			✓	
COBALT				✓
CORTISOL			✓	
CPEPTIDE AND INSULIN				✓
CHROMIUM				✓
CSF SCREEN			✓	
COPPER				✓
DHEAS				✓

Tests	Rotherham	Barnsley	Both sites	Other referral Labs
DIGOXIN			✓	
DOWN'S SCREEN				✓
ESSENTIAL FATTY ACIDS				✓
ETHYLENE GLYCOL				✓
PANCREATIC ELASTASE				✓
FLUID AMYLASE		✓		
FAECAL CALPROTECTIN	✓			
FLUID CHOLESTEROL			✓	
FLUID CREATININE			✓	
FERRITIN			✓	
FLUID GLUCOSE			✓	
FLUID LACTATE			✓	
FLUID LDH			✓	
FLUID ELECTROLYTES			✓	
FLUID PH		✓		
FOLATE			✓	
FLUID PROTEIN			✓	
FRUCTOSAMINE				✓
FREE T3			✓	
FREE T4			✓	
FLUID TRIGLYCERIDES			✓	
FAECAL ELECTROLYTES				✓
GLUCOSE			✓	
GALACTOSE 1 PHOSPHATE				✓
G6PD ENZYME				✓
GABAPENTIN				✓
GLYCOSAMINOGLYCANS				✓
GALACTOSAEMIA SCREEN				✓
BLOOD GAS			✓	
GASTRIN				✓
GROWTH HORMONE				✓
FASTING GLUCOSE			✓	
GLUCAGON				✓
GONADOTROPHINS			✓	
GLUCOSE TOLERANCE ACROMEG			✓	
GLUCOSE TOLERANCE DM			✓	
GUT HORMONES				✓
HYPOGLYCAEMIA SCREEN				✓
24 HR URINE 5HIAA	✓			
HEPATIC IRON INDEX				✓
HMMA HVA	✓			
HOMOCYSTINE				✓

Tests	Rotherham	Barnsley	Both sites	Other referral Labs
HAPTOGLOBIN	✓			
HAEMATINICS			✓	
HVA CREAT RATIO	✓			
INSULIN				✓
IRON			✓	
IRON PROFILE			✓	
LIVER FUNCTION TEST			✓	
LACTATE			✓	
LAMOTRIGINE				✓
LONG CHAIN FATTY ACIDS				✓
LACTATE DEHYDROGENASE			✓	
LEVETIRACETAM				✓
LIVER FIBROSIS MARKERS				✓
LHRH				✓
LITHIUM			✓	
LIPID PROFILE			✓	
LIPASE	✓			
LIPOPROTEIN EP				✓
LIPOPROTEIN A				✓
MACROPROLACTIN			✓	
MICROALBUMIN (DIABETES)		✓		
METHANOL				✓
24HRURINEMETANEPHRINES	✓			
METHOTREXATE				✓
MAGNESIUM			✓	
MMA/CREATININE RATIO				✓
MANGANESE				✓
MOLECULAR GENETIC TEST				✓
METABOLIC STONE PROFILE				✓
URINE NTX				✓
URINE ORGANIC ACIDS				✓
OESTRADIOL		✓		
OVERNIGHT BIOGENIC AMINES	✓			
OVERNIGHT CATECHOLAMINES	✓			
OVERNIGHT METANEPHRINES	✓			
SERUM OSMOLALITY			✓	
PARACETAMOL			✓	
PROCOLLAGEN 1NP				✓
PROCOLLAGEN 3 NP				✓
PAEDIATRIC VIT AE	✓			
LEAD				✓
PORPHOBILINOGEN SCREEN				✓
URINE PROTEIN/CREAT RATIO			✓	

Tests	Rotherham	Barnsley	Both sites	Other referral Labs
PLEURAL FLUID PROFILE			✓	
PHENYTOIN			✓	
PLASMA HIAA				✓
PHYTOSTEROLS				✓
PLASMA METANEPHRINES				✓
PLASMA AMINO ACIDS				✓
PROGESTERONE			✓	
PROLACTIN			✓	
TESTOSTERONE PAEDIATRIC		✓		
PTH		✓		
PTH RELATED PEPTIDE				✓
PAEDIATRIC UE			✓	
PURINES PYRIMIDINES				✓
PYRUVATE				✓
RANDOM UR CATECHOLAMINES	✓			
RENIN				✓
RANDOM URINE MET CAT	✓			
SALICYLATE			✓	
PAEDIATRIC BILIRUBIN			✓	
SELENIUM				✓
SHBG		✓		
SHORT SYNACTHEN TEST			✓	
SHORT SYACTHEN PAEDIATRIC			✓	
URINE STEROID PROFILE				✓
SERUM URIC ACID			✓	
THYROID FUNCTION TEST			✓	
TACROLIMUS				✓
TESTOSTERONE		✓		
THEOPHYLLINE			✓	
HIGH SENSITIVITY TROPONIN I			✓	
TOPIRAMATE				✓
TOXICOLOGY SCREEN				✓
TMPGFR			✓	
TRANSFERRIN			✓	
TRH STIMULATION TEST			✓	
TRYPTASE (BASAL LEVEL)				✓
URINE AMINO ACID SCREEN				✓
URINE AMYLASE		✓		
URINE CALCIUM			✓	
24 HOUR URINE CALCIUM			✓	
URINE CHLORIDE			✓	
URINE CA MG			✓	
URINE DRUG SCREEN		✓		

Tests	Rotherham	Barnsley	Both sites	Other referral Labs
UREA & ELECTROLYTES			✓	
24 HOUR URINE ELECTROLYTE			✓	
RANDOM URINE ELECTROLYTES			✓	
UGT1 GENOTYPE (GILBERT'S)				✓
RANDOM URINE MAGNESIUM			✓	
URINE MYOGLOBIN				✓
OXALATE / CREAT RATIO				✓
URINE OSMOLALITY			✓	
24 HOUR URINARY OXALATE				✓
URINE PROTEIN			✓	
URINE PH			✓	
URINE PHOSPHATE			✓	
24 HOUR URINE PROTEIN			✓	
PORPHYRIN SCREEN				✓
URINE AMINO ACIDS				✓
URINARY TRYPSINOGEN				✓
24 HOUR URINE URATE			✓	
RANDOM URINE URATE			✓	
1,25 DIHYDROXY VIT D				✓
VITAMIN A	✓			
VITAMIN A E	✓			
VALPROATE			✓	
VITAMIN B1 WHOLE BLOOD	✓			
VIT B12			✓	
VITAMIN B2 WHOLE BLOOD				✓
VITAMIN B6 WHOLE BLOOD	✓			
VITAMIN B6 PLASMA				
VITAMIN C	✓			
TOTAL VIT D		✓		
VIT D2 D3				✓
VITAMIN E	✓			
VITAMIN K				✓
VMA CREAT RATIO	✓			
WHITE CELL ENZYMES				✓
XANTHOCHROMIA	✓			
URINE FREE CORTISOL				✓
ZINC				✓
ZINC PROTOPORPHYRIN				✓

Tests	Rotherham	Barnsley	Both sites	Other referral Labs
Immunology				
A1AT genotype/phenotype				✓
ACLA				✓
Adrenal autoantibodies				✓
AH50				✓
Allergy screen	✓			
ANA	✓			
ANCA	✓			
AMA, ASMA, APCA	✓			
Avian precipitins (IgG)				✓
Acetylcholine receptor Abs				✓
B2M	✓			
BJP	✓			
C1 esterase inhibitor				✓
CA153		✓		
C3, C4	✓			
CCP abs		✓		
Centromere Abs	✓			
Ceruloplasmin	✓			
CH50				✓
Coeliac screen	✓			
Cryoglobulin Screen	✓			
Cryoglobulin Confirmation				✓
CSF oligoclonal band studies				✓
DSDNA	✓			
ENA	✓			
Endomysial Ab	✓			
GAD				✓
GBM abs	✓			
Gliadin Abs	✓			
GM1 antibody				✓
Hib antibodies				✓
IA2				✓
IFA	✓			
IgG Aspergillus pptns	✓			
IgG subclasses				✓
IGS			✓	
Inhibin				✓
Insulin autoantibodies				✓
Islet cell antibodies				✓
MAG antibodies				✓
MenC				✓
NSE				✓

Tests	Rotherham	Barnsley	Both sites	Other referral Labs
Neuronal antibodies (Anti Hu, Yo, Ri antibodies)				✓
NBT test				✓
P3NP				✓
Pneumococcal serotypes				✓
PR3 and MPO confirmation	✓			
RF	✓			
SplgEs to allergens not performed here				✓
Serum free light chains				✓
Serum Protein Electrophoresis	✓			
Tau protein (CSF)				✓
Tet antibodies				✓
Tryptase				✓
TPO Abs	✓			
TSH receptor Abs				✓
VGCC				✓
VGKC				✓

Tests	Rotherham	Barnsley	Both sites	Other referral Labs
Haematology / Blood Transfusion				
FBC			✓	
Other fluid counts			✓	
Retics			✓	
Plasma viscosity				✓
ESR			✓	
IM			✓	
Cell markers				✓
ICS (CD4/8 count)	✓			
EMA screen				✓
Rapid diagnostic test for malarial parasites			✓	
Parasite confirmation				✓
Bone Marrows				✓
TP53				✓
Cytogenetics				✓
PGFR				✓
Cytospins				✓
Urine Haemosiderin				✓
HbOpathy screen	✓			✓
Confirmation of positive screen for Hb variants				✓
Alpha thalassaemia genetic test				✓
Haemochromatosis				✓
Sickle cell screens			✓	
EPO	✓			
G6PD				✓
Blood films (including screening for parasites)			✓	
Sezary cell investigation				✓
JAK2 (and all reflex tests, including CALR, MPL and Exon 12)				✓
TCGR				✓
Urine Haemosiderin				✓
Transferrin receptor				✓
TBS (tissue biopsy sample)				✓
Bone marrow review				✓
Myeloperoxidase staining				✓
BCR-ABL (including T315)				✓
Red cell membrane screen				✓
Pyruvate kinase				✓

Tests	Rotherham	Barnsley	Both sites	Other referral Labs
C-KIT mutation				✓
Factor V Leiden				✓
Prothrombin 2 mutation				✓
Coagulation screen			✓	
INR			✓	
APTT			✓	
APTT using lupus insensitive reagent			✓	
50:50 studies			✓	
D-Dimer			✓	
APCR				✓
Heparin neutralisation test				✓
HIT screen				✓
Protein S Ag				✓
Protein C Ag				✓
Anti-thrombin 3 Ag				✓
VWF screen				✓
ADAMTS-13 assay				✓
Anti-Xa assay				✓
DOAC assay				✓
Anti-Xa assay				✓
VITT assay				✓
Anticoagulation medication compliance				✓
Platelet function studies				✓
Factor assay				✓
Lupus screen	✓			
Protein C assay				✓
Protein S assay				✓
Anti-thrombin 3 assay				✓
Zinc Protoporphyrin				✓
Group and Save			✓	
Antibody Panels			✓	
FMH- Kleihauer		✓		
FMH- Quantification			✓	
Cold agglutinins				✓
Monospecific Direct Coombs test			✓	
cffDNA Screen (Fetal RhD Screen)				✓
Red cell phenotyping			✓	
PNH screen				✓
Post vasectomy semen analysis		✓		

Tests	Rotherham	Barnsley	Both sites	Other referral Labs
Microbiology				
Bacteriology				
Acanthamoeba culture				✓
Actinomyces culture			✓	
antigen tests			✓	
AIR sampling plates	✓	✓		
Amikacin assay				✓
Amoebic serology				✓
Anerobic culture			✓	
Anti DNase B	✓			
ASOT	✓			
16S Ribosomal PCR				✓
Bronchial lavage	✓			
Blood culture (adult)			✓	
Blood Culture (Paed)			✓	
Bordetella culture			✓	
Bordetella serology				✓
Bordetella PCR				✓
Borrelia serology				✓
Brucella serology				✓
Brucella PCR				✓
Bone/Tissue			✓	
Candida Antigen				✓
Clostridium difficile toxin			✓	
Sellotape slide/perianal swab for threadworm			✓	
CSF			✓	
Fungal Culture			✓	
Dengue serology				✓
Dark field microscopy				✓
Faeces culture			✓	
Fungal 18S PCR				✓
Cryptosporidia			✓	
Faeces microscopy			✓	
GBS PCR				✓
GC culture			✓	
Genital culture		✓		
Gentamicin assay			✓ (blood sciences test at Barnsley)	
GRAM stain			✓	
Trichomonas culture		✓		
GC culture plate (GUM)			✓	
Helicobacter antigen	✓			

Tests	Rotherham	Barnsley	Both sites	Other referral Labs
Helicobacter Culture				✓
Listeria culture			✓	
Listeria PCR				✓
Mycology	✓			
MRSA culture			✓	
MRSA PCR	✓			
Mycobacteria PCR				✓
OCP			✓	
Pleural fluid	✓			
Pneumocystis PCR				✓
Pneumococcal PCR				✓
Quantiferon	✓			
Respiratory samples culture	✓			
Genital swabs		✓		
SAH			✓	
Schistosoma serol				✓
Synovial fluid			✓	
Strongoloides serol				✓
Strep pneumo urinary Antigen			✓	
TB culture and microscopy	✓			
Teicoplanin assay				✓
Tobramicin assay				✓
IV line tips			✓	
T Spot				✓
Urine screen (UF5000)		✓		
Urine culture			✓	
Urine manual microscopy			✓	
Vancomycin assay				✓
Wound swab culture			✓	
Molecular				
Adenovirus PCR				✓
Aspergillus PCR				✓
Cl.difficile PCR	✓			
CMV PCR				✓
Cryptococcal PCR				✓
CSF PCR				✓
CTGC NAAT	✓			
EBVPCR				✓
E coli PCR				✓
Enterovirus PCR				✓
EYEPCR				✓
HCGenotype				✓
Hep C RNA				✓

Tests	Rotherham	Barnsley	Both sites	Other referral Labs
Hep C viral load				✓
HIV viral load				✓
Herpes Simplex PCR	✓			✓
HPV PCR				✓
HIV drug resistance				✓
HSV Resistance				✓
HIV tropism				✓
Measles virus PCR				✓
Meningococcal PCR				✓
MRSA PCR	✓			
Mumps PCR				✓
M. genitalium PCR	✓			
T. vaginalis PCR	✓			
Bacterial PCR from CSF				✓
Viral PCR from CSF				✓
HIV PROViral DNA				✓
Respiratory virus PCR				✓
Rubella PCR				✓
Toxoplasma PCR				✓
VZV PCR				✓
Virology				
Adenovirus antigen			✓	
Rotavirus antigen			✓	
Arbovirus serology				✓
Antiviral TDM				✓
CMVAvidity	✓			
CMV IgG	✓			
CMV IgM	✓			
Coxiella serology				✓
Cryptococcal antigen				✓
Cryptococcal serology				✓
Chlamydia trachomatis antibodies				✓
EBNA IgG	✓			
EBV VCA IgM	✓			
EBV screen	✓			
Filaria serology				✓
Human herpes Virus type 6 & 7				✓
HANTA				✓
Hepatitis A IgM		✓		
Hepatitis A total antibody		✓		
Hep B core IgM				✓
Hep B core total antibody		✓		

Tests	Rotherham	Barnsley	Both sites	Other referral Labs
Hep B DNA viral load (HBDN)				✓
Hep B e Antibody				✓
Hep B e antigen				✓
Hepatitis B s Antigen			✓	
Hepatitis B markers				✓
Hep B s Antibodies			✓	
Hep B viral load (HBVL)				✓
Hepatitis C antibodies		✓		
Helicobacter antibody	✓			
Hepatitis D antibody				✓
Hepatitis E antibody				✓
Histoplasma serology				✓
HIV Avidity				✓
HIV Ab/Ag			✓	
HIV confirmation				✓
HSV 1&2 serology				✓
HTLV I and II antibody				✓
Hydatid antibodies				✓
Legionella urinary antigen			✓	
Leptospira antibodies				✓
Leptospira PCR				✓
Measles IgG	✓			
Measles IgM				✓
Meningococcal serology				✓
Mumps IgG	✓			
Mycoplasma IgG	✓			
Norovirus			✓	
Parvovirus PCR				✓
Parvovirus IgG and IgM	✓			
Procalcitonin			✓	
Pertussis serology				✓
Polio serology				✓
Psitacosis serology				✓
Rickettsia serology				✓
Rotavirus			✓	
RSV			✓	
Rubella IgG	✓			
Rubella IgM	✓			
Syphillis serology		✓		✓
SARS-CoV-2 molecular PCR			✓	
SARS-CoV-2 serology				✓
SARS-CoV-2 variant of concern testing and genotyping				✓

Tests	Rotherham	Barnsley	Both sites	Other referral Labs
Toxocara serol.				✓
Toxoplasma IgG	✓			
Toxoplasma referral				✓
Varicella zoster IgG			✓	

Tests	Rotherham	Barnsley	Both sites	Other referral Labs
Histopathology				
Histopathology cases	✓			
Blocks	✓			
Mega Blocks				
Haematoxylin and Eosin Stains – including controls	✓			
Special stains –including controls	✓			
Immunocytochemistry – including controls	✓			
Oestrogen receptor	✓			
Progesterone receptor				✓
HER-2 receptor				✓
PD-L1 testing				✓
EGFR testing				✓
ROS1 testing				✓
KRAS testing				✓
Oncotype testing				✓
MSI testing (Lynch Sndrome)				✓
Braf testing				✓
Alk 1 testing				✓
Post Mortem Histology	✓			
Non –gynaecological Cytology of bodily fluids.	✓			
Semen Analysis: Post vasectomy	✓			
Full fertility service	✓			

Summary Of Revisions

Version	Summary of change
1	Not applicable – first issue.
1.1	Reviewed and updated
1.2	Reviewed and updated
1.3	Updated to reflect change for faecal elastase Updated to reflect change for CCP Reviewed and updated
1.4	Reviewed and updated. Reviewed against schedules of accreditation.
1.5	Updated to state that referral laboratories will be selected and evaluated to provide assurance of service quality.
1.6	Included Antibody panels, FMH, CffDNA and red cell phenotyping- Blood transfusion ACLA- Now a referral test in immunology Helicobacter culture now a referral test- Microbiology
1.7	Added to Haematology: TP53, Cytogenetics, EGFR, Urine Haemosiderin, APTT using lupus insensitive reagent, 50:50 studies, ADAMTS-13 assay, Zinc Protoporphyrin Added to Microbiology: SARS-CoV-2 molecular PCR are done at both sites. SARS-CoV-2 serology antibodies are done at Rotherham only. SARS-CoV-2 variant of concern testing and genotyping which are both done at other referral labs
1.8	Histopathology: Service Transferred to TRFT Microbiology: SARS-CoV-2 serology- To referral site Mumps and Mycoplasma IGM, Mycoplasma hominis culture, CT NAAT, GC NAAT - Removed M. genitalium PCR & T. vaginalis PCR performed at TRFT AIR sampling plates- Berformed at BHNFT Blood Sciences: TMPGFR- both sites Rapid diagnostic test for malarial parasites, Confirmation of positive screen for Hb variants, Alpha thalassaemia genetic test, Haemochromatosis, VITT assay, Heparin neutralisation test, Red cell membrane screen, Pyruvate kinase, C-KIT mutation, Rapid diagnostic test for malarial parasites, Confirmation of positive screen for Hb variants, Alpha thalassaemia genetic test, Haemochromatosis, Sezary cell investigation, Cytokines, Urine Haemosiderin, Transferrin receptor, TBS (tissue biopsy sample), Bone marrow review, Myeloperoxidase staining, Red cell membrane screen, Pyruvate kinase, C-KIT mutation- Added, Parasite confirmation- Added Parasite confirmation- Now external