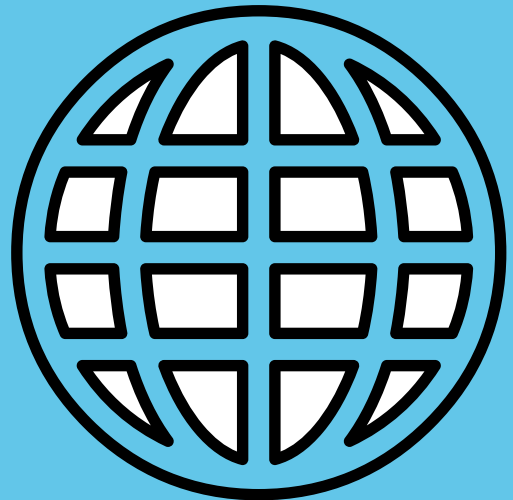


2018/19

Services Available List

# United Kingdom National External Quality Assessment Service



UK NEQAS

International Quality Expertise

# What is UK NEQAS?

Since 1969 the United Kingdom National External Quality Assessment Service (UK NEQAS) has been providing a comprehensive world-wide service that enables laboratories to fulfil quality goals and facilitate optimal patient care.

UK NEQAS comprises a network of 21 centres based at major hospitals, research institutions and universities throughout the UK, offering over 400 schemes with multiple analytes. The services cover qualitative and interpretative investigations in reproductive science, cellular pathology, clinical chemistry, genetics, haematology, immunology and microbiology. Each is directed by experts in their field, with support and advice from Steering Committees.

All UK NEQAS designated schemes are members of the UK NEQAS Consortium - a not-for-profit company limited by guarantee and a UK Registered Charity. This organisation, served by its elected Executive Committee and the UK NEQAS Office, fulfils central co-ordinating and administrative functions.

EQA schemes are awarded the UK NEQAS designation and become UK NEQAS members through compliance with the UK NEQAS Code of Practice. This Code lays down requirements for scheme design and management, and sets out the obligations and responsibilities of Organisers/Directors. It ensures that UK NEQAS schemes conform to high standards of professionalism, impartiality, clinical relevance and strict financial accountability across all disciplines and specialities, so that all concerned with the quality of laboratory investigations may have confidence in the service provided.

# Contents

<b>Cellular Pathology</b>	<b>P4</b>
UK National Breast Pathology Interpretive External Assurance Scheme	
Cellular Pathology Technique	
Head and Neck Pathology	
Immunocytochemistry and In-Situ Hybridisation	
Neuropathology	
<b>Clinical Chemistry</b>	<b>P4–5</b>
Birmingham Quality	
Cardiac Markers	
Edinburgh Peptide Hormones	
Guildford Peptide Hormones	
Trace Elements	
<b>Haematology</b>	<b>P6–7</b>
Blood Coagulation	
Blood Transfusion Laboratory Practice & Feto Maternal Haemorrhage	
General Haematology	
Leucocyte Immunophenotyping	
Vitamin K	
<b>Immunology</b>	<b>P8</b>
Histocompatibility & Immunogenetics	
Immunology, Immunochemistry & Allergy	
<b>Medical Microbiology</b>	<b>P9</b>
Microbiology	
Parasitology	
<b>Other Specialities</b>	<b>P10–11</b>
Genomics	
Reproductive Science	
<b>Index</b>	<b>P12–16</b>
<b>Overseas UK NEQAS Participants</b>	<b>P17</b>
<b>UK NEQAS Centres</b>	<b>P18</b>
<b>Notes</b>	<b>P19</b>

## Cellular Pathology

### UK National Breast Pathology Interpretive External Assurance Scheme

Tel	+44 (0) 115 969 1169 (ext 56875)
Fax	+44 (0) 115 962 7768
Email	pislip@nhs.net
Legal entity:	
Nottingham University Hospitals NHS Trust	
Services available:	
Breast Histopathology Diagnostic Interpretation	

### Cellular Pathology Technique

Tel	+44 (0) 191 445 2719
Fax	+44 (0) 191 445 5994
Email	cpt@ukneqas.org.uk
Legal entity:	
LabXCell LTD	
Services available:	
General Cellular Pathology (Routine Histopathology)	
Muscle Histochemistry	
Neuropathology	
Renal Biopsy Pathology	
Diagnostic Non Gynaecological Cytology	
Bone Marrow Trepphine Biopsy	
Mohs' Procedure	
Transmission Electron Microscopy (TEM)*	

### Head & Neck Pathology

Tel	+44 (0) 161 276 6953
Fax	+44 (0) 161 276 6348
Email	neckpath@ukneqas.org.uk
Legal entity:	
Guy's & St Thomas' NHS Foundation Trust	

### Immunocytochemistry & In-Situ Hybridisation

Tel	+44 (0) 207 415 7065
Fax	+44 (0) 207 415 7048
Email	info@ukneqasicish.org
Legal entity:	
External Quality Assessment Services for Cancer Diagnostics CIC	
Services available:	
<b>Immunocytochemistry Modules</b>	
General Pathology	
Breast Pathology - Hormonal Receptors	
Breast Pathology - HER2 Immunocytochemistry	
Lymphoid Pathology	
Neuropathology	

## Cellular Pathology

### Immunocytochemistry & In-Situ Hybridisation (contd)

Cytopathology	
Alimentary Tract Pathology (GIST)	
Mismatch Repair Protein (MMR)/Lynch module	
Gastric HER2 IHC	
NSCLC ALK IHC	
NSCLC PD-L1*	
<b>In situ hybridisation modules:</b>	
Breast (HER2 ISH - Interpretive)	
Breast (HER2 ISH - Technical)	

### Neuropathology

Tel	+44 (0) 186 523 4904
Fax	+44 (0) 186 523 1157
Email	neuropath@ukneqas.org.uk
Legal entity:	
Oxford University Hospitals NHS Foundation Trust	

## Clinical Chemistry

### Birmingham Quality

Tel	+44 (0) 121 414 7300
Fax	+44 (0) 121 414 1179
Email	clinchem@ukneqas.org.uk
Legal entity:	
University Hospitals Birmingham NHS Foundation Trust	
Services available:	
Antibiotic Assays	
Antifungal Panel	
Clinical Chemistry	
Colorectal Cancer Screening	
Erythropoietin	
Faecal Pancreatic Elastase	
Faecal Haemoglobin/FOB Test for Colorectal Cancer Screening	
Faecal Markers	
Fructosamine	
GFR Estimations	
Glycated Haemoglobins	
Haematinic Assays	
Holotranscobalamin	
Immunosuppressants	
Interpretative Comments in Clinical Chemistry	
Intrinsic Factor Antibodies	
Lead & Cadmium in Blood	

## Clinical Chemistry

### Birmingham Quality (contd)

Lipid Investigations	
Monthly Clinical Chemistry #	
Newborn Screening	
Paediatric Bilirubin	
Quantitative Amino Acids	
Serum Indices (HIL)	
Specific Proteins	
Steroid Hormones	
Sweat Testing	
Thyroglobulin	
Thyroid Hormones	
Toxicology and Therapeutic Drug Monitoring	
Urinary Catecholamines & Metabolites	
Urine Chemistries	
Urine Dipsticks	
Vitamin Assays	
Vitamin D	

### Cardiac Markers

Tel	+44 (0) 141 354 9039
Fax	+44 (0) 141 440 1274
Email	cardiac@ukneqas.org.uk
Legal entity:	
NHS Greater Glasgow	
Services Available:	
<b>Laboratory and Point of Care</b>	
Cardiac Troponin I (including high sensitivity methods)	
Cardiac Troponin T	
CKMB	
Myoglobin	
NT-proBNP	

### Edinburgh Peptide Hormones

Tel	+44 (0) 131 242 6885
Fax	+44 (0) 131 242 6882
Email	peptide@ukneqas.org.uk
Legal entity:	
NHS Lothian	
Services available:	
<b>Maternal Serum Screening</b>	
1st & 2nd Trimester (Down's syndrome screening)	
2nd Trimester (Neural tube defects)	
1st Trimester (Down's syndrome screening in dried blood spots)*	
Placental Growth Factor (PLGF)*	

## Clinical Chemistry

### Edinburgh Peptide Hormones (contd)

<b>Peptide I Schemes</b>	
FSH, LH, AMH, Prolactin and Growth Hormone	
<b>Peptide II Schemes</b>	
PTH, ACTH and Calcitonin	
<b>Pregnancy Testing Scheme</b>	
Urinary hCG (Qualitative and Quantitative)	
<b>Tumour Markers Schemes</b>	
AFP, CEA and hCG	
<b>Guildford Peptide Hormones</b>	
Tel	+44 (0) 148 340 6715
Fax	+44 (0) 148 346 4168
Email	insulin@ukneqas.org.uk
Legal entity:	
Frimley Health NHS Foundation Trust	
Services available:	
C-Peptide	
Gastrin	
Insulin	
Insulin-like Growth Factor Binding Protein-3	
Insulin-like Growth Factor-1	
<b>Trace Elements</b>	
Tel	+44 (0) 148 368 9022
Fax	+44 (0) 148 368 9979
Email	trace@ukneqas.org.uk
Legal entity:	
Frimley Health NHS Foundation Trust	
Services available:	
Serum Trace Elements	
Whole Blood Trace Elements	

\*Pilot Schemes

#Non-UK only

## Haematology

Blood Coagulation	
Tel	+44 (0) 114 267 3300
Fax	+44 (0) 114 267 3309
Email	coag@ukneqas.org.uk
Legal entity:	
Sheffield Teaching Hospitals NHS Foundation Trust	
Services available:	
Blood Coagulation	
<b>Screening Tests (Level 1)</b>	
Activated Partial Thromboplastin Time (APTT)	
D-Dimer Assay	
Fibrinogen (Clauss method)	
Heparin Assay (HA)	
Heparin Dosage Assessment (HDA)	
Lupus Anticoagulant	
Prothrombin Time (PT)/INR (Quick/capillary methods)	
Prothrombin Time for diagnosis	
Thrombin Time (TT)	
<b>Assays (Level 2)</b>	
Activated Protein C resistance Assay	
Antithrombin Antigen and Activity Assays	
Factor II, V, VII, VIII, IX, X, XI, XII Assays	
Factor XIII Screen/Assay	
Plasminogen Assay	
Protein C Antigen and Activity Assays	
Protein S Activity Assay	
Protein S Total and Free Antigen Assay	
Quantitative Factor VIII Inhibitor	
Von Willebrand factor antigen Assay	
VWF:CB (collagen-binding) Assay	
VWF:RCo (activity) Assay	
<b>Other Tests</b>	
Factor V Leiden/Molecular Genetics of Thrombophilia Testing	
Haemophilia Molecular Genetics	
Plasma Homocysteine	
Direct Oral Anticoagulant (DOAC) Assay*	
<b>Point of Care/Near Patient Testing</b>	
Activated Clotting Time (ACT)	
CoaguChek XS, CoaguChek XS Pro (& Pro II) & CoaguChek XS Plus	
Hemochron Junior Signature - (INR for non-citrated test cuvettes)	
i-STAT (PT/INR)	
POCT D-dimer	
Thromboelastometry and Thromboelastography*	

## Haematology

Blood Transfusion Laboratory Practice & Feto Maternal Haemorrhage	
Tel	+44 (0) 192 321 7933
Fax	+44 (0) 192 321 7934
Email	btlp@ukneqas.org.uk
Legal entity:	
West Hertfordshire Hospitals NHS Trust	
Services available:	
<b>Pre-Transfusion Testing (PTT)</b>	
Blood grouping (ABO/D)	
Red cell antibody screening	
Crossmatching	
Identification of red cell antibodies	
Red cell phenotyping	
<b>FMH</b>	
Fetomaternal haemorrhage Screening and/or Quantification	
<b>Other Schemes</b>	
ABO Titration	
Red cell genotyping*	
Extended red cell phenotyping*	
Antenatal antibody titration*	
Direct Antiglobulin Test (DAT)*	
<b>Other Services (Supplementary to EQA)</b>	
Training, Assessment and Competency Tool (TACT)	
General Haematology	
Tel	+44 (0) 192 321 7878
Fax	+44 (0) 192 321 7879
Email	haem@ukneqas.org.uk
Legal entity	
West Hertfordshire Hospitals NHS Trust	
Services available:	
<b>Automated Counting &amp; related schemes</b>	
Automated Differential Leucocyte Count	
ESR	
Full Blood Count	
Hb only	
NRBC count*	
Plasma Viscosity	
Reticulocyte Count	
<b>Morphology Related Schemes</b>	
Blood Films for Morphology, Manual Differential and Parasite Identification	
Cytochemistry	
Digital Morphology for CPD	
Malaria Rapid Diagnostic Testing	

\*Pilot Schemes

For accreditation status please refer to [www.ukas.com](http://www.ukas.com)

## Haematology

General Haematology (contd)	
<b>Haemoglobinopathy Schemes</b>	
Abnormal Haemoglobins Hb A2/Hb F & Hb S	
DNA Diagnostics for Haemoglobinopathies	
Newborn Haemoglobinopathy Screening (liquid blood)	
Newborn Sickle Screening (dried blood spot)	
Sickle Solubility Screening	
<b>Red Cell Enzyme Schemes</b>	
G6PD screen and assay	
Leucocyte Immunophenotyping	
Tel	+44 (0) 114 267 3600
Fax	+44 (0) 114 267 3601
Email	lip@ukneqas.org.uk
Legal entity	
Sheffield Teaching Hospitals NHS Foundation Trust	
Services available:	
<b>Flow Cytometry Programmes</b>	
CD34+ Stem Cell Enumeration	
Cerebrospinal Fluid (CSF) Immunophenotyping (Not Accredited)	
Haematological Malignancy Bone Marrow Aspirate Assessment (Not Accredited)	
Immune Monitoring	
Immune Monitoring (Alternate Technologies)	
Leukaemia Immunophenotyping and Diagnostic Interpretation	
Leukaemia Diagnostic Interpretation - Institute (Not Accredited)	
Leukaemia Diagnostic Interpretation - Individual (Not Accredited)	
Low Level Leucocyte Enumeration	
Minimal Residual Disease for ALL by Flow Cytometry	
Minimal Residual Disease for AML by Flow Cytometry (Not Accredited)	
Minimal Residual Disease for CLL by Flow Cytometry (Not Accredited)	
Minimal Residual Disease for Plasma Cell Myeloma by Flow Cytometry (Not Accredited)	
Paroxysmal Nocturnal Haemoglobinuria	

\*Pilot Schemes

For accreditation status please refer to [www.ukas.com](http://www.ukas.com)

## Haematology

Leucocyte Immunophenotyping (contd)	
<b>Molecular Programmes</b>	
Acute Myeloid Leukaemia Gene Panels (Not Accredited)	
BCR-ABL1 and AML Translocation Identification	
BCR-ABL1 Kinase Domain Mutation Status (Not Accredited)	
BRAF p.Val600Glu (V600E) Mutation Status for Hairy Cell Leukaemia	
FLT3 Mutation Status	
IgH/TCR Clonality Status	
JAK2 p.Val617Phe (V617F) Mutation Status	
KIT p.Asp816Val (D816V) Mutation Status for Mast Cell Disease	
BCR-ABL1 Major Quantification	
BCR-ABL1 Minor Quantification (Not Accredited)	
NPM1 Mutation Status	
Paediatric Acute Leukaemia Translocations	
Post-SCT Chimerism Monitoring	
Vitamin K	
Tel	+44 (0) 207 188 6815
Fax	+44 (0) 207 401 3125
Email	keqas@ukneqas.org.uk
Legal entity	
Viapath Services LLP	
Services available:	
Vitamin K1 at endogenous concentrations in human serum	
Mk-4 at endogenous concentrations in human serum*	
MK-7 at endogenous concentrations in human serum*	
Vitamin K1 2,3-epoxide at endogenous concentrations in human serum*	

## Immunology

Histocompatibility & Immunogenetics	
Tel	+44 (0) 144 362 2185
Fax	+44 (0) 144 362 2001
Email	handi@ukneqas.org.uk
Legal entity:	
Welsh Blood Service	
Services available:	
Crossmatching by Flow Cytometry	
Cytotoxic Crossmatching	
HLA Typing at 1st Field Resolution	
HLA Typing to 2nd or 3rd Field Resolution	
Educational (iED) – Interpretive clinical scenarios	
Educational (ED) – Samples	
HFE Typing	
HLA Antibody Detection	
HLA Antibody Specificity Analysis	
HLA-B27 Testing	
HLA-B*57:01 Typing for Drug Hypersensitivity	
HLA Typing for Coeliac and other HLA Associated Diseases	
HLA Phenotyping	
HPA Genotyping	
Interpretative: HFE Genotype and Hereditary and Haemochromatosis	
Interpretative HLA Genotype	
KIR Genotyping	
HPA Antibody Detection/Specification	
Immunology, Immunochemistry & Allergy	
Tel	+44 (0) 114 271 5715
Fax	+44 (0) 114 226 6754
Email	immunology@ukneqas.org.uk
Legal entity:	
Sheffield Teaching Hospitals NHS Foundation Trust	
Services available:	
<b>Autoimmunity</b>	
Acetylcholine Receptor Antibodies	
Anaemia Related Antibodies	
ANCA/GBM Antibodies	
Bullous Dermatitis Antibodies	
Citruinated Proteins	
Coeliac Disease Antibodies	
Diabetic Markers	
Ganglioside Antibody	
Interferon Gamma Release Assay Quantiferon	
Interferon Gamma Release Assay TSPOT	
Myositis Associated Antibodies*	

## Immunology

Immunology, Immunochemistry & Allergy (cont)
Nuclear Antibodies DNA/ANA
Nuclear Antibodies DNA/ANA/ENA
Paraneoplastic Antibodies
Phospholipid Antibodies
Rheumatoid Factor
Thyroid Peroxidase Antibodies
Thyroid Stimulating Hormone Receptor Ab (TRAb)
<b>Allergy and Immunodeficiency</b>
Allergen Component Testing*
Allergen Specific IgE
Avian Antibodies
Fungal Antibodies
H. Influenzae Antibodies
IgG Subclasses
Pneumococcal Antibodies
Salmonella ser. Typhi (S. Typhi) Antibodies*
Tetanus Antibodies
Total Serum IgE
Tryptase
<b>Immunochemistry</b>
Alpha 1 Antitrypsin and Phenotype Identification
B2 Microglobulin
Bone Metabolism Markers
C1 Inhibitor & Functional Complement
C-Reactive Protein
CRP Ultrasensitive Assays
CSF B2 Transferrin
CSF B2 Trace Protein
CSF Haem Pigments
CSF IgG Oligoclonal Bands
CSF Proteins and Biochemistry
<b>Oncology</b>
Breast markers – CA153
Chromogranin A
Cryoglobulins (image based)*
Gut markers – CA199
Lung markers – NSE
Monoclonal Protein Identification
Ovarian markers - CA125
PSA complexed
PSA free
PSA total
<b>Point of Care CRP Testing*</b>
Interpretative EQA (IEQA)

## Medical Microbiology

Microbiology	
Tel	+44 (0) 208 905 9890
Fax	+44 (0) 208 205 1488
Email	micro@ukneqas.org.uk
Legal entity:	
Public Health England	
Services available:	
<b>Bacteriology schemes</b>	
AAFB Microscopy	
Antimicrobial Susceptibility	
Bacterial Identification	
Clostridium Difficile	
Community Medicine	
Faecal Pathogens	
General Bacteriology incl. Antimicrobial Susceptibility	
General Bacteriology Identification	
Genital Pathogens	
MRSA Screening	
Mycobacteria Culture	
Urinary Antigens	
<b>Molecular schemes</b>	
<i>C. trachomatis</i> and <i>N. gonorrhoeae</i>	
CMV DNA Quantification	
EBV DNA Quantification	
HBV DNA Quantification	
Hepatitis C RNA Detection	
HIV1 RNA Quantification	
Molecular Detection of HPV	
Molecular Detection mycobacteria	
Molecular Detection of viruses in CSF	

## Medical Microbiology

Microbiology (cont)	
<b>Mycology schemes</b>	
Antifungal Susceptibility	
Mycology	
Legal entity:	
Public Health England	
Services available:	
<b>Serology schemes</b>	
Anti-HBs Detection	
Blood Borne Viruses	
Blood Donor Screen	
Diagnostic Serology: acute hepatitis	
Hepatitis B Serology	
Hepatitis C Serology	
HIV Point of Care	
HIV Serology	
Immunity Screen	
Measles and Mumps IgG Serology	
Parvovirus B19 and Rubella Serology	
Respiratory Rapid: RSV	
Rubella IgG Serology	
Syphilis Serology	
<b>Virology</b>	
Viral Gastroenteritis	
Virus Identification	
Parasitology	
Tel	+44 (0) 203 908 1371
Email	parasite@ukneqas.org.uk
Legal entity:	
Public Health England	
Services available:	
Blood Parasitology	
Faecal Parasitology	
Malaria Rapid	
Molecular Detection of Malaria	
Parasite Serology	
Toxoplasma IgG Serology	
Faecal Molecular*	
Toxoplasma Molecular*	

## Other Specialities

Genomics	
Tel	Oxford Office: +44 (0) 186 585 7644 Edinburgh Office: +44 (0)131 242 6898
Fax	+44 (0) 131 242 6882
Email	info@genqa.org
Legal entity:	
Oxford University Hospitals NHS Trust/NHS Lothian	
Services available:	
Achondroplasia and Thanatophoric dysplasia	
Acquired Array (CLL/MDS)	
Acute Leukaemia (FISH)*	
Acute Lymphoblastic Leukaemia (ALL)	
Additional Lung Cancer biomarkers	
Amniotic Fluid	
Arrhythmia	
Ataxia	
Bloods – Postnatal	
BRAF/MLH1 promotor methylation analysis for mismatch repair analysis	
BRCA germline testing in ovarian cancer (provided in collaboration with EMQN)	
BRCA somatic testing in ovarian cancer (provided in collaboration with EMQN)	
BRCA variant interpretation (provided in collaboration with EMQN) – not currently open for registration	
Cardiomyopathies	
Charcot-Marie-Tooth – neuroopathy type 1A & Hereditary neuropathy with liability to pressure palsies (CMT1A & HNPP)	
Chromosome Breakage Syndromes*	
Chorionic Villus – CVS	
Clinical Genetics – Cardiovascular Genetics	
Clinical Genetics – Dysmorphology	
Clinical Genetics – Monogenic Disorders	
Clinical Genetics – Oncogenetics	
CNS Tumours (central nervous system) – Molecular analysis for 1p/19q co-deletion, MGMT promoter methylation and IDH1 and IDH2 testing	
Cystic Fibrosis	
Dementia/Amyotrophic lateral sclerosis	
Dentatorubral pallidolysian atrophy	
DNA extraction from blood samples	
DNA extraction from FFPE tissue samples	
DNA extraction from fresh/frozen tissue samples	
DNA extraction from saliva samples EQA scheme	
DNA quantification	
Duchenne & Becker Muscular Dystrophies	
Fabry Disease	
Familial Adenomatous polyposis	
Familial Breast & Ovarian Cancer – BRCA1 & BRCA2	
Familial Hypercholesterolaemia	

\*Pilot Schemes

## Other Specialities

Genomics (contd)
FISH Rapid Aneuploidy
Fragile X Syndrome
Friedreich Ataxia
Genetics-Training and Competency Tool (G-TACT)
Huntington Disease
Hypertrophic Cardiomyopathy
Hypotonic infant
Interpretation of pathogenicity of sequence variants*
IPS stem cells exploratory*
Laminopathies
Long QT Syndrome
Lynch Syndrome
Lymphoma (FFPE)
Maternal Cell Contamination & Sexing
Mature B&T Cell Neoplasms (G-banded)
Mature B&T Cell Neoplasms (FISH for CLL and Lymphoma)
Medium Chain acyl-CoA Dehydrogenase Deficiency
Microsatellite Instability testing
Mitochondrial Diseases
Molecular Analysis in Colorectal Cancer (2 distributions)
Molecular Analysis in Lung Cancer (2 distributions)
Molecular Analysis in Melanoma (2 distributions)
Molecular Analysis of Gastro-Intestinal Stromal Tumours
Molecular Rapid Aneuploidy
Molecular Testing for Cystic Fibrosis on Blood Spots (4 distributions per year)
Molecular Testing for MCADD c.985A>G Mutation on Blood Spots (4 distributions per year)
Molecular testing for Tissue Identification
MUYTH-associated polyposis (MAP)
Myeloid – AML/MDS/CML)
Myeloma (sample plus online)
Myotonic Dystrophy
Neuroblastoma* (array and FISH)
Next Generation Sequencing for inherited disorders*
Next Generation Sequencing for somatic testing*
Non-invasive Prenatal testing for common aneuploidies* (provided in collaboration with EMQN)
Non-invasive Prenatal testing for common microdeletions*
Non-invasive Prenatal testing for sex determination* (provided in collaboration with EMQN)
Pathogenicity of sequence variants
POLG
Polyposis
Postnatal constitutional CNV detection (previously Constitutional microarray analysis – postnatal sample) (provided in collaboration with EMQN)

## Other Specialities

Genomics (contd)	
Prader-Willi & Angelman Syndrome	
Preimplantation Genetic Testing for Blastomere FISH (Stage 1 & 2)	
Preimplantation Genetic Testing by NGS and/or arrays for polar body testing	
Preimplantation Genetic Testing by Sperm FISH for aneuploidy testing	
Preimplantation Genetic Testing of Trophectoderm and/or Blastomere for aneuploidies	
Preimplantation Genetic Testing of Trophectoderm and/or Blastomere for chromosomal rearrangements	
Preimplantation Genetic Testing (PGT-M) Trophectoderm and/or Blastomere testing for monogenic disorders	
Prenatal constitutional CNV detection (previously Prenatal microarray)	
Products of Conception (G-banded)	
Products of Conception (Molecular methods)	
Rapid Prenatal Aneuploidy FISH	
Report Authorisation*	
Rett Syndrome	
Sarcoma testing	
Severe developmental delay case scenario*	
Spinal Muscular Atrophy	
Spinocerebellar Ataxias	
Testing of circulating free DNA in plasma for lung cancer	
Tissue-I - online tissue assessment EQA module	
Von Hippel-Lindau Syndrome	
Reproductive Science	
Tel	+44 (0) 161 276 6437
Fax	+44 (0) 161 276 6609
Email	repscience@ukneqas.org.uk
Legal entity:	
Manchester University NHS Foundation Trust	
Services available:	
Andrology: Sperm concentration & sperm morphology (practical), sperm motility and interpretive sperm morphology (online)	
Embryology: Embryo Morphology (online)	

# A – Z Index

<b>A</b>	
AAFB microscopy	9
Abnormal Haemoglobins	7
ABO Titration	6
Acetylcholine Receptor Antibodies	8
Achondroplasia	10
Acquired Array (CLL/MDS)	10
Activated Clotting Time (ACT)	6
Activated Partial Thromboplastin Time (APTT)	6
Activated Protein C resistance Assay	6
Acute Leukaemia (FISH)	10
Acute Lymphoblastic Leukaemia (ALL)	10
Acute Myeloid Leukaemia Gene Panels	7
Additional Lung Cancer biomarkers	10
AFP	5
Alimentary Tract Pathology (GIST)	4
Allergen Component Testing	8
Allergen Specific IgE	8
Allergy	8
Alpha 1 Antitrypsin and Phenotype Identification	8
Aluminium in Water/Dialysis Fluid	5
AMH	5
Amniotic Fluid	10
Anaemia Related Antibodies	8
ANCA/GBM Antibodies	8
Andrology	11
Antenatal antibody titration	6
Anti-HBs detection	9
Antibiotic Assays	4
Antifungal Panel	4
Antimicrobial Susceptibility	9
Antithrombin Antigen and Activity Assays	6
Arrhythmia	10
Ataxia	10
Autoimmunity	8
Automated Counting	6
Automated Differential Leucocyte Count	6
Avian Antibodies	8
<b>B</b>	
Bacterial Identification	9
Bacteriology	9
BCR-ABL1 and AML Translocation Identification	7
BCR-ABL1 Kinase Domain Mutation Status (Not Accredited)	7
BCR-ABL1 Major Quantification	7
BCR-ABL1 Minor Quantification (Not Accredited)	7
<b>Blood Borne viruses</b>	
Blood Borne viruses	9
Blood Coagulation	6
Blood Donor Screen	9
Blood Films for Morphology, Manual Differential and Parasite Identification	6
Blood grouping (ABO/D)	6
Blood Parasitology	9
Bloods - Postnatal	10
Bone Marrow Trephine Biopsy	4
Bone Metabolism Markers	8
BRAF p.Val600Glu (V600E) Mutation Status for Hairy Cell Leukaemia	7
BRAF/MLH1 promotor methylation analysis for mismatch repair analysis	10
BRCA germline testing in ovarian cancer (provided in collaboration with EMQN)	10
BRCA somatic testing in ovarian cancer (provided in collaboration with EMQN)	10
BRCA variant interpretation (provided in collaboration with EMQN)	10
Breast (HER2 ISH - Interpretive)	4
Breast (HER2 ISH - Technical)	4
Breast Histopathology Diagnostic Interpretation	4
Breast Pathology - HER2 Immunocytochemistry	4
Breast Pathology - Hormonal Receptors	4
Bullous Dermatitis Antibodies	8
<b>C</b>	
C-Peptide	5
C-Reactive Protein	8
C. trachomatis and N. gonorrhoeae	9
C1 Inhibitor & Functional Complement	8
Cardiac Troponin T	5
Cardiomyopathies	10
CD34+ Stem Cell Enumeration	7
CEA	5
Cerebrospinal Fluid (CSF) Immunophenotyping	7
Charcot-Marie-Tooth- neuropathy type 1A & Hereditary neuropathy with liability to pressure palsies (CMT1A & HNPP)	10
Chorionic Villus - CVS	10
Chromogranin A	8
Chromosome Breakage Syndromes	10
Citrullinated Proteins	8
CKMB	5
Clinical Chemistry	4-5
Clinical Genetics	10
Clostridium Difficile	9
CMV DNA quantification	9
CNS Tumours (central nervous system) - Molecular analysis for 1p/19q co-deletion, MGMT promoter methylation and IDH1 and IDH2 testing	10
CoaguChek XS, CoaguChek XS Pro (& Pro II) & CoaguChek XS Plus	6

Coeliac Disease Antibodies	8
Colorectal Cancer Screening	4
Community Medicine	9
Crossmatching by Flow Cytometry	8
CRP Ultrasensitive Assays	8
Cryoglobulins (image based)	8
CSF Haem Pigments	8
CSF IgG Oligoclonal Bands	8
CSF Proteins and Biochemistry	8
CSF B2 Trace Protein	8
CSF B2 Transferrin	8
Cystic Fibrosis	10
Cytochemistry	6
Cytopathology	4
Cytotoxic Crossmatching	8
<b>D</b>	
D-Dimer Assay	6
Dementia/Amyotrophic lateral sclerosis	10
Dentatorubral pallidoluysian atrophy	10
Diabetic Markers	8
Diagnostic Non Gynaecological Cytology	4
Diagnostic serology: acute hepatitis	9
Digital Morphology for CPD	6
Direct Antiglobulin Test (DAT)	6
Direct Oral Anticoagulant (DOAC) Assay	6
DNA Diagnostics for Haemoglobinopathies	7
DNA extraction from blood samples	10
DNA extraction from FFPE tissue samples	10
DNA extraction from fresh/frozen tissue samples	10
DNA extraction from saliva samples EQA scheme	10
DNA quantification	10
Duchenne & Becker Muscular Dystrophies	10
<b>E</b>	
EBV DNA quantification	9
Educational (ED) - Samples	8
Educational (IED) - Interpretive clinical scenarios	8
Embryology: Embryo Morphology (online)	11
Erythropoietin	4
ESR	6
Extended red cell phenotyping	6
<b>F</b>	
Fabry Disease	10
Factor II, V, VII, VIII, IX, X, XI, XII Assays	6
Factor V Leiden/Molecular Genetics of Thrombophilia Testing	6
Factor XIII Screen/Assay	6
Faecal Haemoglobin/FOB Test for Colorectal Cancer Screening	4
<b>Faecal Markers</b>	
Faecal Markers	4
Faecal Molecular	9
Faecal Pancreatic Elastase	4
Faecal Parasitology	9
Faecal Pathogens	9
Familial Adenomatous polyposis	10
Familial Breast & Ovarian Cancer - BRCA1 & BRCA2	10
Familial Hypercholesterolaemia	10
Fetomaternal haemorrhage Screening and/or Quantification	6
Fibrinogen (Clauss method)	6
FISH Rapid Aneuploidy	10
Flow Cytometry Programmes	7
FLT3 Mutation Status	7
FMH	6
Fragile X Syndrome	10
Friedreich Ataxia	10
Fructosamine	4
FSH	5
Full Blood Count	6
Fungal Antibodies	8
<b>G</b>	
G6PD screen and assay	7
Ganglioside Antibody	8
Gastric HER2 IHC	4
Gastrin	5
General Bacteriology Identification	9
General Bacteriology incl. Antimicrobial susceptibility	9
General Cellular Pathology (Routine Histopathology)	4
General Pathology	4
Genetics-Training and Competency Tool (G-TACT)	10
Genital Pathogens	9
GFR Estimations	4
Glycated Haemoglobins	4
Growth Hormone	5
Gut markers - CA199	8
<b>H</b>	
H. Influenzae Antibodies	8
Haematinic Assays	4
Haematological Malignancy Bone Marrow Aspirate Assessment (Not Accredited)	7
Haemoglobinopathy Schemes	7
Haemophilia Molecular Genetics	6
Hb only	6
HBV DNA quantification	9
hCG	5
Hemochrom Junior Signature - (INR for non-citrated test cuvettes)	6
Heparin Assay (HA)	6

Heparin Dosage Assessment (HDA)	6	Iron	5
Hepatitis B serology	9	<b>J</b>	
Hepatitis C RNA detection	9	JAK2 p.Val617Phe (V617F) Mutation Status	7
Hepatitis C serology	9	<b>K</b>	
HFE Typing	8	KIR Genotyping	8
HIV Point of Care	9	KIT p.Asp816Val (D816V) Mutation Status for Mast Cell Disease	7
HIV serology	9	<b>L</b>	
HIV1 RNA quantification	9	Laboratory and Point of Care	5
HLA Antibody Detection	8	Laminopathies	10
HLA Antibody Specificity Analysis	8	Lead & Cadmium in Blood	4
HLA Phenotyping	8	Leukaemia Diagnostic Interpretation - Individual (Not Accredited)	7
HLA Typing at 1st Field Resolution	8	Leukaemia Diagnostic Interpretation - Institute (Not Accredited)	7
HLA Typing for Coeliac and other HLA Associated Diseases	8	Leukaemia Immunophenotyping and Diagnostic Interpretation	7
HLA Typing to 2nd or 3rd Field Resolution	8	LH	5
HLA-B*57:01 Typing for Drug Hypersensitivity	8	Lipid Investigations	5
HLA-B27 Testing	8	Long QT Syndrome	10
Holotranscobalamin	4	Low Level Leucocyte Enumeration	7
HPA Antibody Detection/Specification	8	Lung markers - NSE	8
HPA Genotyping	8	Lung markers - NSE	8
Huntington Disease	10	Lupus Anticoagulant	6
Hypertrophic Cardiomyopathy	10	Lymphoid Pathology	4
Hypotonic infant	10	Lymphoma (FFPE)	10
<b>I</b>		Lynch Syndrome	10
i-STAT (PT/INR)	6	<b>M</b>	
Identification of red cell antibodies	6	Malaria Rapid	9
IgG Subclasses	8	Malaria Rapid Diagnostic Testing	6
IgH/TCR Clonality Status	7	Maternal Cell Contamination & Sexing	10
Immune Monitoring	7	Maternal Serum Screening schemes	5
Immune Monitoring (Alternate Technologies)	7	Mature B&T Cell Neoplasms (FISH for CLL and Lymphoma)	10
Immunity screen	9	Mature B&T Cell Neoplasms (G-banded)	10
Immunochemistry	8	Measles and Mumps IgG Serology	9
Immunodeficiency	8	Medium Chain acyl-CoA Dehydrogenase Deficiency	10
Immunosuppressants	4	Microsatellite Instability testing	10
Insulin	5	Minimal Residual Disease for ALL by Flow Cytometry	7
Insulin-like Growth Factor Binding Protein-3	5	Minimal Residual Disease for AML by Flow Cytometry	7
Insulin-like Growth Factor-1	5	Minimal Residual Disease for CLL by Flow Cytometry	7
Interferon Gamma Release Assay Quantiferon (inc. IEQA)	8	Minimal Residual Disease for Plasma Cell Myeloma by Flow Cytometry (Not Accredited)	7
Interferon Gamma Release Assay TSPOT (inc. IEQA)	8	Mismatch Repair Protein (MMR)/Lynch module	4
Interpretation of pathogenicity of sequence variants*	10	Mitochondrial Diseases	10
Interpretative Comments in Clinical Chemistry	4	Mk-4 at endogenous concentrations in human serum*	7
Interpretative EQA (IEQA)	8	Mk-7 at endogenous concentrations in human serum*	7
Interpretative HLA Genotype	8	Mohs' Procedure	
Interpretative: HFE Genotype and Hereditary and Haemochromatosis	8	Molecular Analysis in Colorectal Cancer (2 distributions)	10
Interpretive sperm morphology (online)	11	Molecular Analysis in Lung Cancer (2 distributions)	10
Intrinsic Factor Antibodies	4	Molecular Analysis in Melanoma (2 distributions)	10
IPS stem cells exploratory*	10		

Molecular Analysis of Gastro-Intestinal Stromal Tumours	10	<b>O</b>	
Molecular detection mycobacteria	9	Oncology	8
Molecular Detection of HPV	9	Ovarian markers - CA125	8
Molecular Detection of Malaria	9	<b>P</b>	
Molecular detection of viruses in CSF	9	Paediatric Acute Leukaemia Translocations	7
Molecular Programmes	7	Paediatric Bilirubin	5
Molecular Rapid Aneuploidy	10	Paraneoplastic Antibodies	8
Molecular schemes		Parasite Serology	9
Molecular Testing for Cystic Fibrosis on Blood Spots (4 distributions per year)	10	Paroxysmal Nocturnal Haemoglobinuria	7
Molecular Testing for MCADD c.985A>G Mutation on Blood Spots (4 distributions per year)	10	Parvovirus B19 and Rubella Serology	9
Molecular testing for Tissue Identification	10	Pathogenicity of sequence variants	10
Monoclonal Protein Identification	8	Peptide I schemes	5
Monthly Clinical Chemistry	5	Peptide II schemes	5
Morphology Related Schemes	6	Phospholipid Antibodies	8
MRSA Screening	9	Placental Growth Factor (PLGF)*	5
Muscle Histochemistry	4	Plasma Homocysteine	6
MUYTH-associated polyposis (MAP)	10	Plasma Viscosity	6
Mycobacteria Culture	9	Plasminogen Assay	6
Mycology	9	Pneumococcal Antibodies	8
Mycology schemes	9	POCT D-dimer	6
Myeloid - AML/MDS/CML)	10	Point of Care CRP Testing*	8
Myeloma (sample plus online)	10	POLG	10
Myoglobin	5	Polyposis	10
Myositis Associated Antibodies*	8	Post-SCT Chimerism Monitoring	7
Myotonic Dystrophy	10	Postnatal constitutional CNV detection (previously Constitutional microarray analysis - postnatal sample) (provided in collaboration with EMQN)	10
<b>N</b>		Prader-Willi & Angelman Syndrome	11
Neuroblastoma* (array and FISH)	10	Pre-Transfusion Testing (PTT)	6
Neuropathology	4	Pregnancy Testing scheme	5
Newborn Haemoglobinopathy Screening (liquid blood)	7	Preimplantation Genetic Testing (PGT-M) Trophoctoderm and/or Blastomere testing for monogenic disorders	11
Newborn Screening	5	Preimplantation Genetic Testing by NGS and/or arrays for polar body testing	11
Newborn Sickle Screening (dried blood spot)	7	Preimplantation Genetic Testing by Sperm FISH for aneuploidy testing	11
Next Generation Sequencing for inherited disorders*	10	Preimplantation Genetic Testing for Blastomere FISH (Stage 1 & 2)	11
Next Generation Sequencing for somatic testing*	10	Preimplantation Genetic Testing of Trophoctoderm and/or Blastomere for aneuploidies	11
Nickel	5	Preimplantation Genetic Testing of Trophoctoderm and/or Blastomere for chromosomal rearrangements	11
Non-invasive Prenatal testing for common aneuploidies* (provided in collaboration with EMQN)	10	Prenatal constitutional CNV detection (previously Prenatal microarray)	11
Non-invasive Prenatal testing for common microdeletions*	10	Products of Conception (G-banded)	11
Non-invasive Prenatal testing for sex determination* (provided in collaboration with EMQN)	10	Products of Conception (Molecular methods)	11
NPM1 Mutation Status	7	Prolactin & Growth Hormone	5
NRBC count*	6	Protein C Antigen and Activity Assays	6
NSCLC ALK IHC	4	Protein S Activity Assay	6
NSCLC PD-L1*	4	Protein S Total and Free Antigen Assay	6
NT-proBNP	5	Prothrombin Time (PT)/INR (Quick/capillary methods)	6
Nuclear Antibodies DNA/ANA	8		
Nuclear Antibodies DNA/ANA/ENA	8		



Prothrombin Time for diagnosis	6
PSA complexed	8
PSA free	8
PSA total	8
PTH, ACTH and Calcitonin	5
<b>Q</b>	
Quantitative Amino Acids	5
Quantitative Factor VIII Inhibitor	6
<b>R</b>	
Rapid Prenatal Aneuploidy FISH	11
Red cell antibody screening	6
Red Cell Enzyme Schemes	7
Red cell genotyping*	6
Red cell phenotyping	6
Renal Biopsy Pathology	4
Report Authorisation*	11
Respiratory Rapid: RSV	9
Reticulocyte Count	6
Rett Syndrome	11
Rheumatoid Factor	8
Rubella IgG serology	9
<b>S</b>	
Salmonella ser. Typhi (S. Typhi) Antibodies*	8
Sarcoma testing	11
Serology schemes	9
Serum Indices (HIL)	5
Severe developmental delay case scenario*	11
Sickle Solubility Screening	7
Specific Proteins	5
Sperm concentration	11
Sperm morphology (practical)	11
Sperm motility	11
Spinal Muscular Atrophy	11
Spinocerebellar Ataxias	11
β2 Microglobulin	8
Steroid Hormones	5
Sweat Testing	5
Syphilis serology	9
<b>T</b>	
Testing of circulating free DNA in plasma for lung cancer	11
Tetanus Antibodies	8
Thanatophoric dysplasia	10
Thrombin Time (TT)	6
Thromboelastometry and Thromboelastography*	6
Thyroglobulin	5
Thyroid Hormones	5
Thyroid Peroxidase antibodies	8

Thyroid Stimulating Hormone Receptor Ab (TRAb)	8
Tissue-I - online tissue assessment EQA module	11
Total Serum IgE	8
Toxicology and Therapeutic Drug Monitoring	5
Toxoplasma IgG Serology	9
Toxoplasma Molecular*	9
Training, Assessment and Competency Tool (TACT)	6
Transmission Electron Microscopy (TEM)*	
Tryptase	8
Tumour Marker schemes	5
<b>U</b>	
Urinary Antigens	9
Urinary Catecholamines & Metabolites	5
Urinary hCG (Qualitative and Quantitative)	5
Urine	5
Urine Chemistries	5
Urine Dipsticks	5
<b>V</b>	
Viral Gastroenteritis	9
Viral Identification	9
Virology	9
Vitamin Assays	5
Vitamin D	5
Vitamin K1 2, 3-epoxide at endogenous concentrations in human serum*	7
Vitamin K1 at endogenous concentrations in human serum	7
Von Hippel-Lindau Syndrome	11
Von Willebrand factor antigen Assay	6
VWF:CB (collagen-binding) Assay	6
VWF:RCo (activity) Assay	6

## There are UK NEQAS Participants in:

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Armenia	Germany	New Zealand	Ukraine
Australia	Ghana	Nicaragua	United Arab Emirates
Austria	Gibraltar	Nigeria	United Kingdom of GB & NI
Bahamas	Greece	Norway	United States of America
Bahrain	Greenland	Oman	Uruguay
Bangladesh	Grenada	Pakistan	Uzbekistan
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Ethiopia	Malta	Switzerland	
Falkland Islands	Mauritius	Syria	
Finland	Mongolia	Tanzania	
France	Montserrat	Thailand	
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