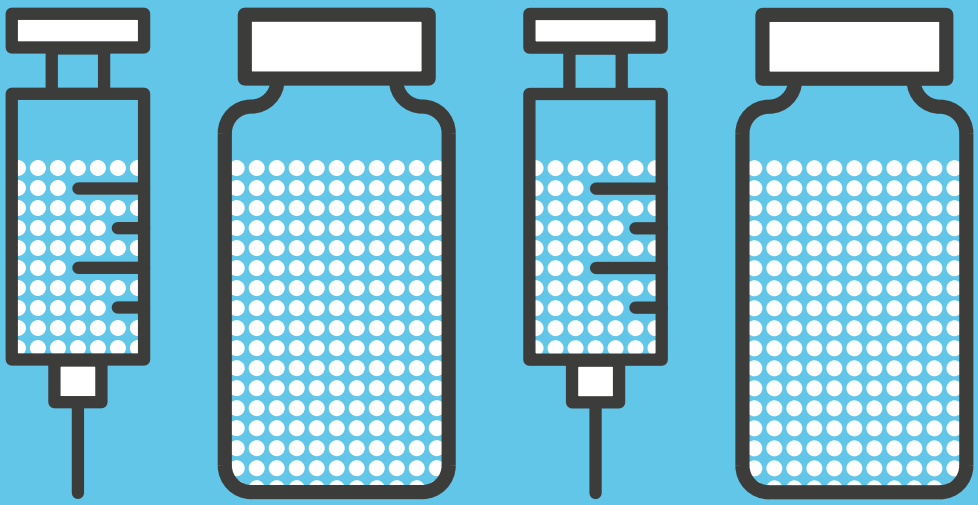
2019/20

Services Available List

United Kingdom National External Quality Assessment Service



UK NEQAS
International Quality Expertise

50 Years as World Leaders in EQA 1969–2019

What is UK NEQAS?

Since 1969 the members of the UK National External Quality Assessment Service (UK NEQAS) consortium have provided External Quality Assessment (EQA) to laboratories within the UK and overseas. The findings from UK NEQAS programmes ensure that clinical laboratory tests on patients are robust, accurate, precise and therefore clinically of value, regardless of the location they are performed; contribute towards the production of international and national guidelines and underpin the generation of local clinical laboratory results for use in the diagnosis and monitoring of patients throughout their treatment journeys. Participation in EQA from accredited organisations such as UK NEQAS is also a requirement for laboratories seeking accreditation to ISO standards.

The range of EQA services offered by the UK NEQAS consortium has grown significantly as clinical laboratory science has evolved. When UK NEQAS was initiated 50 years ago there were only 2 centres providing such a service (Haematology and Clinical Chemistry). Now there are over 20 centres, covering areas of expertise such as reproductive science, cellular pathology, clinical chemistry, genetics, haematology, immunology and microbiology. The EQA programmes operated by UK NEQAS are a mixture of qualitative, quantitative and interpretative programmes but all are operated on a not-for-profit basis and are designed to educate participants rather than be punitive. In addition, the programmes are open to all laboratory types: clinical, research and industrial, and they are available worldwide producing what is probably the biggest EQA network in the world.

The UK NEQAS Consortium is a not-for-profit company limited by guarantee and a UK Registered Charity. At UK NEQAS we believe that the services we provide, whilst tested in the laboratory, are to improve patient care.

Consequently, we believe that we have an obligation not just to our participants but to patients, to ensure that our services are of the highest quality and are fit for purpose. Therefore, all members of the UK NEQAS consortium are committed to:

- provide EQA services that are:
  - Appropriate to clinical practice
  - Responsive to laboratory needs
  - ISO 17043 accredited
- support education of clinical laboratory scientists and related staff
- provide laboratories with information on the relative performance of different methods
- assist laboratories to achieve good EQA performance
- support laboratories in attaining ISO 15189 accreditation
- present findings of EQA programmes at national and international conferences
- publish findings from EQA programmes in international peer reviewed journals
- collaborate with international bodies and groups

We are proud of the EQA programmes we operate and of how our organisation has grown since its inception 50 years ago. We are excited about continuing to work closely with laboratories over the next 50 years to develop the next generation of innovative and responsive EQA programmes that will be needed as medicine and clinical laboratory science advance.

Thank you for your support of UK NEQAS and we look forward to working with you in the future.

Liam Whitby, President

Contents

For accreditation status please refer to www.ukas.com

Cellular Pathology

Cellular Pathology Technique

Tel	+44 (0) 191 445 2719
Email	cpt@ukneqas.org.uk
Legal entity:	
LabXCell LTD	
Services available:	
General Cellular Pathology (Routine Histopathology)	
Bone Marrow Trephine Biopsy	
Companion Schemes (Frozen Sections and Mega Blocks)	
Diagnostic Non Gynaecological Cytology	
Direct Immunofluorescence (DIF)*	
Interpretative Non Gynaecological Cytology*	
Mohs' Procedure	
Muscle Histochemistry	
Neuropathology	
Renal Biopsy Pathology	
Transmission Electron Microscopy (TEM)	

Head & Neck Pathology

Tel	+44 (0) 121 371 5723
Email	neckpath@ukneqas.org.uk

Immunocytochemistry & In-Situ Hybridisation

Tel	+44 (0) 207 415 7065
Email	info@ukneqasiccish.org
Legal entity:	
External Quality Assessment Services for Cancer Diagnostics CIC	
Services available:	
Immunocytochemistry Modules	
General Pathology	
Breast Pathology - Hormonal Receptors	
Breast Pathology - HER2 IHC	
Lymphoid Pathology	
Neuropathology	
Cytopathology	
Alimentary Tract Pathology (GIST)	
Mismatch Repair (MMR) Proteins	
Gastric HER2 IHC	
NSCLC ALK IHC	
NSCLC PD-L1-IHC*	
In-Situ Hybridisation Modules:	
Breast (HER2 ISH - Interpretive)	
Breast (HER2 ISH - Technical)	
NSCLC/ROS1 ISH*	

Cellular Pathology

UK National Breast Pathology Interpretive External Assurance Scheme

Tel	+44 (0) 115 969 1169 (ext 56875)
Email	breastscreen@ukneqas.org.uk
Legal entity:	
Nottingham University Hospitals NHS Trust	

UK National BNS Neuropathology Interpretative EQA Scheme

Tel	+44 (0) 1865 234 904
Email	neuropath@ukneqas.org.uk
Legal entity:	
Oxford University Hospitals NHS Foundation Trust	

Clinical Chemistry

Birmingham Quality

Tel	+44 (0) 121 414 7300
Email	birminghamquality@uhb.nhs.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	
Faecal Markers	
FOB Test for Colorectal Cancer Screening	
Fructosamine	
GFR Estimations	
Glycated Haemoglobins	
Haematinic Assays	

*Pilot Schemes

Clinical Chemistry

Birmingham Quality (contd)

Holotranscobalamin
Immunosuppressants
Interpretative Comments in Clinical Chemistry
Intrinsic Factor Antibodies
Lipid Investigations
Monthly Clinical Chemistry #
Newborn Screening
Paediatric Bilirubin
PREPQ – Pre and Post Analytical Quality Monitoring: a pan-UK NEQAS Scheme
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
Email	cardiac@ukneqas.org.uk
Legal entity:	
NHS Greater Glasgow & Clyde	
Services Available:	
Laboratory and Point of Care	
BNP	
Cardiac Troponin I (including high sensitivity methods)	
Cardiac Troponin T	
CKMB	
Myoglobin	
NT-proBNP	

Edinburgh Peptide Hormones

Tel	+44 (0) 131 242 6885
Email	ukneqas@ed.ac.uk
Legal entity:	
NHS Lothian	
Services available:	
Maternal Serum Screening Schemes	
1st Trimester (Down's syndrome and Trisomies T13 and T18)	

Clinical Chemistry

Edinburgh Peptide Hormones (contd)

1st Trimester (Down's syndrome screening in dried blood spots)*
2nd Trimester (Down's syndrome)
2nd Trimester (Neural tube defects)
Placental Growth Factor (PLGF) (Down's syndrome and pre-eclampsia)*
Peptide I Schemes
FSH, LH, AMH, Prolactin and Growth Hormone
Peptide II Schemes
PTH, ACTH and Calcitonin
Pregnancy Testing Scheme
Urinary hCG (Qualitative and Quantitative)
Tumour Marker Schemes
AFP, CEA and hCG
Liver Fibrosis Markers*
Type III Procollagen Peptide (PIIINP) Hyaluronic acid
Tissue inhibitor of metalloproteinase I (TIMP-I)
Enhanced Liver Fibrosis Score (ELF)

Guildford Peptide Hormones

Tel	+44 (0) 1483 689 022
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	

Trace Elements

Tel	+44 (0) 1483 689 022
Email	trace@ukneqas.org.uk
Legal entity:	
Frimley Health NHS Foundation Trust	
Services available:	
Aluminium in Water (Educational)	
Serum Trace Elements	
Solid Matrix (Educational)	
Whole Blood Trace Elements	
Urine Trace Elements	

*Pilot Schemes

#Non-UK only

Blood Coagulation

Tel	+44 (0) 114 267 3300
Email	coag@ukneqas.org.uk
Legal entity:	
Sheffield Teaching Hospitals NHS Foundation Trust	
Services available:	
Blood Coagulation	
Screening Tests (Level 1)	
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)	
Assays (Level 2)	
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	
Other Tests	
ADAMTS13 Assays*	
Direct Oral Anticoagulant (DOAC) Assay	
Factor V Leiden/Molecular Genetics of Thrombophilia Testing	
Genetics of Heritable Bleeding Disorders EQA Programme	
Plasma Homocysteine	
Point of Care/Near Patient Testing	
Activated Clotting Time (ACT)	
CoaguChek XS, CoaguChek XS Plus, CoaguChek XS Pro & Pro II	
Hemochron Junior Signature - (INR for non-citrated test cuvettes)	
i-STAT (PT/INR)	
POCT D-dimer	
Thromboelastometry and Thromboelastography	
Xprecia Stride (PT/INR)	

Blood Transfusion Laboratory Practice (BTLP)

Tel	+44 (0) 1923 217 933
Email	btlp@ukneqas.org.uk
Legal entity:	
West Hertfordshire Hospitals NHS Trust	
Services available:	
Pre-Transfusion Testing (PTT)	
Blood Grouping (ABO/D)	
Red Cell Antibody Screening	
Crossmatching	
Identification of Red Cell Antibodies	
Red Cell Phenotyping	
Fetomaternal Haemorrhage (FMH)	
FMH Screening and/or Quantification	
Other Schemes	
ABO Titration	
Red Cell Genotyping*	
Extended Red Cell Phenotyping*	
Antenatal Antibody Titration*	
Direct Antiglobulin Test (DAT)*	
Other Services (Supplementary to EQA)	
Training, Assessment and Competency Tool (TACT) Transfusion	

Haematology

Tel	+44 (0) 1923 217 878
Email	haem@ukneqas.org.uk
Legal entity	
West Hertfordshire Hospitals NHS Trust	
Services available:	
Automated Counting & Related Schemes	
Automated Differential Leucocyte Count	
ESR	
Full Blood Count	
Hb only	
NRBC Count (Sysmex analysers) (Not accredited)	
Plasma Viscosity	
Reticulocyte Count	
Glandular Fever Screen*	
Morphology Related Schemes	
Blood Films for Morphology, Manual Differential and Parasite Identification	
Cytochemistry	
Digital Morphology for CPD	
Malaria Rapid Diagnostic Testing (Haematology)	

*Pilot Schemes

Haematology (contd)

Haemoglobinopathy Schemes
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
Red Cell Enzyme Schemes
G6PD screen and assay
PK assay*

Leucocyte Immunophenotyping

Tel	+44 (0) 114 267 3600
Email	lip@ukneqas.org.uk
Legal entity	
Sheffield Teaching Hospitals NHS Foundation Trust	
Services available:	
Flow Cytometry Programmes	
CD34+ Stem Cell Enumeration	
Cerebrospinal Fluid (CSF) Immunophenotyping (Not accredited)	
Haematological Malignancy Bone Marrow Aspirate Assessment (Not accredited)	
Immune Monitoring	
Immune Monitoring (Alternative 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	

Leucocyte Immunophenotyping (contd)

Molecular Programmes
Acute Myeloid Leukaemia and Myelodysplastic Syndrome Gene Panels (Not accredited)
BCR-ABL1 Kinase Domain Mutation Status (Not accredited)
BCR-ABL1 Major Quantification
BCR-ABL1 Minor Quantification (Not accredited)
BCR-ABL1 and AML Translocation Identification
BRAF p.Val600Glu (V600E) Mutation Status for Hairy Cell Leukaemia
Chronic Lymphocytic Leukaemia Gene Panels (Not accredited)
FLT3 Mutation Status
IgH/TCR Clonality Status
JAK2 p.Val617Phe (V617F) Mutation Status
KIT p.Asp816Val (D816V) Mutation Status for Mast Cell Disease
Lymphoplasmacytic Lymphoma/Waldenström Macroglbulinaemia (Not accredited)
Myeloproliferative Neoplasms Gene Panels (Not accredited)
NPM1 Mutation Status
Paediatric Acute Leukaemia Translocations
Post-Stem Cell Transplant Chimerism Monitoring

Vitamin K

Tel	+44 (0) 207 188 6815
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*	

*Pilot Schemes

Immunology

Histocompatibility & Immunogenetics

Tel	+44 (0) 1443 622 185
Email	handi@ukneqas.org.uk
Legal entity:	
Velindre University NHS Trust	
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) – HLA Typing	
Educational Crossmatch (EDXM) – Combined Crossmatch/HLA Type/Antibody Analysis	
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
Email	immunology@ukneqas.org.uk
Legal entity:	
Sheffield Teaching Hospitals NHS Foundation Trust	
Services available:	
Autoimmunity	
Acetylcholine Receptor Antibodies	
Anaemia Related Antibodies	
ANCA/GBM Antibodies	
Bullous Dermatosis Antibodies	
Citrullinated Proteins	
Coeliac Disease Antibodies	
Diabetic Markers	
Ganglioside Antibody	
Interferon Gamma Release Assays	
Liver Antibodies	
Myositis Associated Antibodies*	
Nuclear Antibodies DNA/ANA	

Immunology

Immunology, Immunochemistry & Allergy (contd)

Nuclear Antibodies DNA/ANA/ENA
Paraneoplastic Antibodies
Phospholipase A2 Receptor Antibodies (PLA2R)*
Phospholipid Antibodies
Rheumatoid Factor
Thyroid Peroxidase Antibodies
Thyroid Stimulating Hormone Receptor Ab (TRAb)
Allergy and Immunodeficiency
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
Immunochemistry
Alpha 1 Antitrypsin and Phenotype Identification
ß2 Microglobulin
C1 Inhibitor & Functional Complement
C-Reactive Protein
CRP Ultrasensitive Assays
CSF ß2 Transferrin
CSF ß2 Trace Protein
CSF Haem Pigments
CSF IgG Oligoclonal Bands
CSF Proteins and Biochemistry
Oncology
Breast markers – CA153
Chromogranin A
Gut markers – CA199
Lung markers – NSE
Monoclonal Protein Identification
Ovarian markers - CA125
PSA free
PSA total
Point of Care Testing
C-Reactive Protein
Digital EQA
Cryoglobulins (image based)
Interpretative EQA (iEQA)

*Pilot Schemes

Medical Microbiology

Microbiology

Tel	+44 (0) 208 905 9890
Email	organiser@ukneqasmicro.org.uk
Legal entity:	
Public Health England	
Services available:	
Bacteriology Schemes	
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	
Molecular Schemes	
C. trachomatis and N. gonorrhoeae	
CMV DNA Quantification	
EBV DNA Quantification	
HBV DNA Quantification	
Hepatitis C RNA Detection	
HIV1 RNA Quantification	
Molecular Detection of HPV	
Molecular Detection of Mycobacteria	
Molecular Detection of Viruses in CSF	
Molecular Detection of Respiratory Viruses	
Molecular Detection of HEV RNA	
Viral Gastroenteritis – suitable for antigen testing too.	
Virus Identification – suitable for conventional methodologies too.	
Mycology Schemes	
Antifungal Susceptibility	
Mycology	
Cryptococcal Antigen Detection	
Fungal Biomarkers	
Mycology Teaching Workshop (one day)	

Medical Microbiology

Microbiology (contd)

Virus Serology Schemes
Anti-HBs Detection
Blood Borne Viruses
Blood Donor Screen
Diagnostic Serology: Hepatitis Screen
Hepatitis B Serology
Hepatitis C Serology
Hepatitis E 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
Interpretative Comments

Parasitology

Tel	+44 (0) 203 908 1371
Email	parasite@ukneqas.org.uk
Legal entity:	
Public Health England	
Services available:	
Malaria Rapid	
Molecular Detection of Malaria	
Parasite Serology	
Toxoplasma IgG, IgM and Avidity Serology	
Faecal Molecular*	
Toxoplasma Molecular*	
Other Services (Supplementary to EQA)	
Blood and Faecal Parasitology Teaching Courses	

*Pilot Schemes

Genomics

Tel	Oxford Office: +44 (0) 186 585 7644 Edinburgh Office: +44 (0)131 242 6898
Email	info@genqa.org
Legal entity:	
Oxford University Hospitals NHS Foundation Trust/ NHS Lothian	
Services available:	
Core Molecular Testing	
Achondroplasia (Skeletal Dysplasias)	
Angelman Syndrome (Imprinting Disorders)	
Arrhythmias	
Ataxias and Spastic Paraplegia	
Becker Muscular Dystrophy (BMD)	
Beckwith Wiedemann Syndrome (BWS) (Imprinting Disorders)	
Breast & Ovarian Cancer syndromes (Hereditary inc.Cowden, Li-Fraumeni, Peutz-Junger syndromes)	
Cardiomyopathies	
Charcot-Marie-Tooth – neuropathy type 1A & Hereditary neuropathy with liability to pressure palsies (CMT1A & HNPP)	
Cystic Fibrosis	
Dementia/Amyotrophic lateral sclerosis	
Duchenne Muscular Dystrophy (DMD)	
Fabry Disease	
Familial Adenomatous polyposis (FAP)	
Familial Hypercholesterolaemia (FH)	
Fragile X Syndrome and *FMR1* related disorders	
Friedreich Ataxia (Ataxia)	
Frontotemporal Dementia (Dementia/ALS)	
Huntington Disease (HD)	
Long QT Syndrome (Arrhythmia & Cardiomyopathies)	
Lynch Syndrome	
Medium Chain acyl-CoA Dehydrogenase Deficiency (MCADD)	
Mitochondrial Diseases	
Multiple Endocrine Neoplasia (Phaeochromocytoma and Paraganglioma Disorders)	
MUYTH-associated polyposis (MAP)	
Myotonic Dystrophy type 1 (Hypotonic Infant)	
Neurofibromatosis types 1 and 2	
Osteogenesis Imperfecta	
Pathogenicity of sequence variants	
Phaeochromocytoma and Paraganglioma Disorders	
POLG	
Polyposis syndromes (FAP and MAP)	
Prader-Willi Syndrome (Hypotonic Infant)	

Genomics (contd)

Retinal Disorders
Schwannomatosis
Skeletal Dysplasias
Spastic Paraplegia, Hereditary (Ataxia)
Spinal Muscular Atrophy (Hypotonic Infant)
Spinocerebellar Ataxias (Ataxia)
Thanatophoric Dysplasia (Skeletal Dysplasias)
Variant Validation
Von Hippel-Lindau Disease (Phaeochromocytoma and Paraganglioma Disorders)
X-inactivation
Clinical Genetics
Cardiovascular Genetics
Dysmorphology
Monogenic Disorders
Oncogenetics
Constitutional Postnatal
Blood – Postnatal
Chromosome Breakage Syndromes*
IPS stem cells exploratory*
Postnatal constitutional CNV detection (previously Constitutional microarray analysis – postnatal sample) (provided in collaboration with EMQN)
Severe developmental delay case scenario*
Haematology
Acquired Array (CLL/MDS)
Acute Leukaemia FISH*
Acute Lymphoblastic Leukaemia (ALL)
Hereditary Leukaemia*
Lymphoma (FFPE)
Mature B&T Cell Neoplasms (G-banded)
Mature B&T Cell Neoplasms (FISH for CLL and Lymphoma)
Myeloid – (AML/MDS/CML)
Myeloma (sample plus online)
Sex Chimerism (FISH)*

*Pilot Schemes

Genomics (contd)

Molecular Pathology
Additional Lung Cancer biomarkers
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)
CNS Tumours (central nervous system) – Molecular analysis for 1p/19q co-deletion, MGMT promoter methylation and IDH1 and IDH2 testing
Sarcoma testing
Testing of circulating free DNA in plasma for lung cancer
Microsatellite Instability testing
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 Testing for Tissue Identification
Neuroblastoma* (array and FISH)
Molecular Testing of Blood Spot Cards
Newborn Screening: Molecular testing for Cystic Fibrosis on Blood Spots
Newborn Screening: Molecular testing for MCADD on Blood Spots
Prenatal Testing
Amniotic Fluid
Chorionic Villus – CVS
Maternal Cell Contamination & Sexing
Molecular Rapid Aneuploidy (MRA)
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)
Prenatal constitutional CNV detection (previously Prenatal microarray)
Products of Conception/Fetal tissue (G-banded)
Products of Conception/Fetal tissue (Molecular methods)
Rapid Prenatal Aneuploidy FISH

Genomics (contd)

Preimplantation Genetic Testing
Preimplantation Genetic Testing for Blastomere FISH (PGT-SR) (Stage 1 & 2)
Preimplantation Genetic Testing of Polar Bodies (PGT-A & SR) by NGS and/or array
Preimplantation Genetic Testing (PGT-A) of Sperm for aneuploidy by FISH
Preimplantation Genetic Testing (PGT-A) of Trophectoderm and/or Blastomere for aneuploidies by NGS and/or arrays
Preimplantation Genetic Testing (PGT-M) Trophectoderm and/or Blastomere testing for monogenic disorders (Stages 1 & 2)
Preimplantation Genetic Testing (PGT-SR) of Blastomere/Trophectoderm for chromosomal rearrangements by NGS and/or arrays
Technical
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
Next Generation Sequencing for inherited disorders*
Next Generation Sequencing for somatic testing*
Individual Competency Assessment
BRCA variant interpretation (provided in collaboration with EMQN)
Copy Number Variant (CNV) classification*
Genetics-Training and Competency Tool (G-TACT)
Haematology Malignancies variant classification*
Single nucleotide variant (SNV) interpretation*
Tissue-I – online tissue assessment EQA module

Reproductive Science

Tel	+44 (0) 161 276 6437
Email	repscience@ukneqas.org.uk
Legal entity:	
Manchester University NHS Foundation Trust	
Services available:	
Andrology	
Sperm concentration and sperm morphology (practical)	
Sperm motility and interpretive sperm morphology (online)	
Embryology	
Embryo Morphology (online)	

*Pilot Schemes

A – Z Index

*Pilot Schemes

For accreditation status please refer to www.ukas.com

*Pilot Schemes

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*Pilot Schemes

*Pilot Schemes

#Non-UK only

For accreditation status please refer to www.ukas.com

Notes

*Pilot Schemes

*Pilot Schemes

For accreditation status please refer to www.ukas.com

There are UK NEQAS Participants in:

Albania
Algeria
Andorra
Anguilla
Antigua
Angola
Argentina
Armenia
Aruba
Australia
Austria
Azores
Bahamas
Bahrain
Bangladesh
Barbados
Belarus
Belgium
Belize
Bolivia
Bosnia and Herzegovina
Botswana
Brazil
British Virgin Islands
Bulgaria
Burkina Faso
Cambodia
Canada
Caymen Islands
Chile
China
Colombia
Costa Rica
Cote D'Ivoire
Croatia
Curacao
Cyprus
Czech Republic
Denmark
Dominica
Dominican Republic
Democratic Republic of Congo
Ecuador
Egypt
El Salvador
Eritrea
Estonia
Ethiopia
Falkland Islands
Faroe Islands
Finland
France
French Guiana
French Polynesia (Tahiti)
French West Indies (Guadeloupe)
Gabon
Gambia
Georgia
Germany
Ghana
Gibralta
Greece
Greenland
Grenada
Guatemala
Guyana
Haiti
Honduras
Hong Kong
Hungary
Iceland
India
Indonesia
Iran
Iraq
Ireland
Israel
Italy
Jamaica
Japan
Jordan
Kazakhstan
Kenya
Korea
Kuwait
Laos
Latvia
Lebanon
Libya
Liechtenstein
Lithuania
Luxembourg
Malawi
Malaysia
Mali
Malta
Martinique
Mauritius
Mexico
Monaco
Mongolia
Montserrat
Morocco
Mozambique
Myanmar
Nepal
Netherlands Antilles
Netherlands (the)
New Caledonia
New Zealand
Nicaragua
Nigeria
North Macedonia
Norway
Oman
Pakistan
Panama
Paraguay
Peru
Philippines (the)
Poland
Portugal
Qatar
Republic of Chad
Republic of Macedonia
Republic of Sudan
Reunion Island
Romania
Russia
Saint Martin
Saudi Arabia
Senegal
Serbia
Sierra Leone
Singapore
Slovakia
Slovenia
South Africa
Spain
Sri Lanka
St Kitts & Nevis
St Lucia
St Vincent & the Grenadines
Sudan
Suriname
Sweden
Switzerland
Syria
Taiwan
Tanzania
Thailand
Trinidad
Tunisia
Turkey
Turks & Caicos Islands
Uganda
Ukraine
United Arab Emirates
United Kingdom of GB & NI
United States of America
Uruguay
Uzbekistan
Venezuela
Vietnam
Zambia
Zimbabwe

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