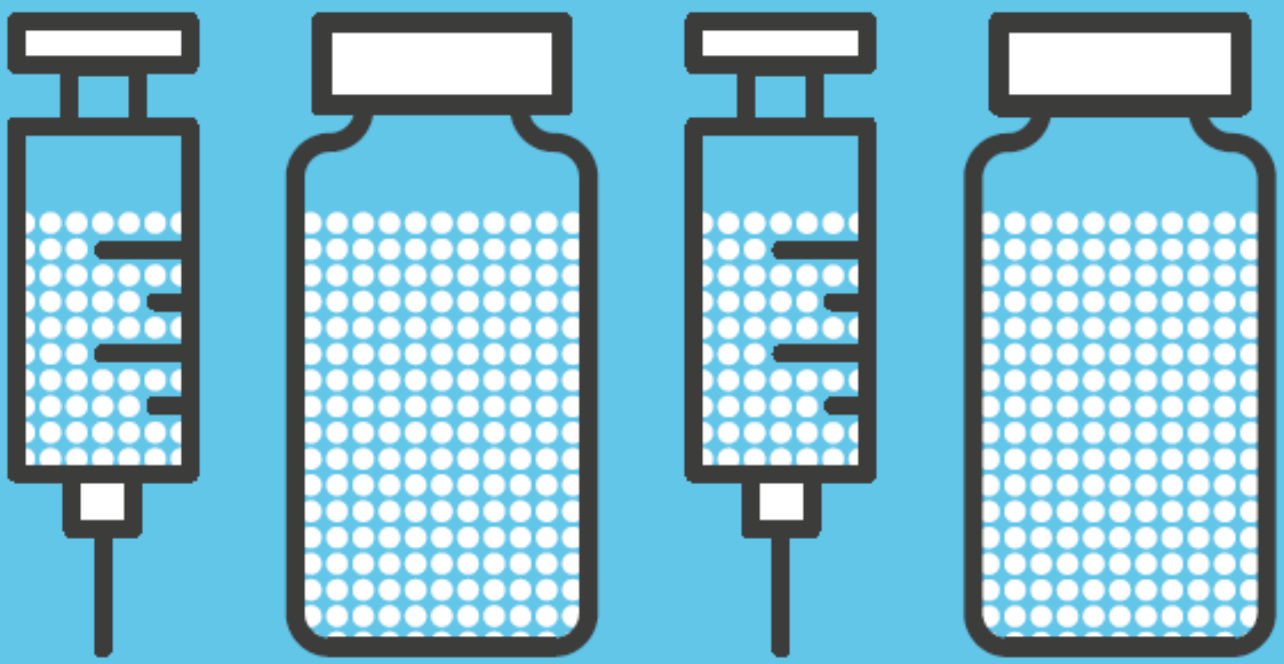
Services Available List

United Kingdom National External Quality Assessment Service



UK NEQAS
International Quality Expertise

To find out more about our services
visit our website: **www.ukneqas.org.uk**
or our twitter page: **@UKNEQAS**

Who are UK NEQAS?

For over 50 years members of UK National External Quality Assessment Service (UK NEQAS) Consortium have been the world leading providers of Clinical Laboratory External Quality Assessment (EQA)/Proficiency Testing (PT) programmes. At present UK NEQAS offers over 500 different EQA/PT programmes covering over 5000 unique analytes, ensuring full coverage of all aspects of laboratory testing worldwide. As such, our programmes support the delivery of accurate and precise clinical laboratory tests on patients regardless of where they are performed. Additionally, findings from UK NEQAS programmes are often used to produce national and international guidelines, and support the identification of best practice amongst service users. This promotes the implementation of best practice procedures worldwide and benefits patient care on a global scale.

The ranges of EQA/PT services offered by UK NEQAS are continually developing in response to changes in clinical laboratory requirements, and innovation is an area in which UK NEQAS has always led. Our EQA/PT services have always included quality assessment of the 'end-to-end' process of patient investigation, including interpretation of results, either in stand-alone programmes or integrated into standard exercises. These traditional EQA/PT services are now supported by our Pre and Post Analytical Quality Monitoring service (known as PrepQ), in which we have established a true end-to-end quality monitoring system, allowing laboratories to monitor pre and post analytical issues to support the requirements of ISO 15189.

UK NEQAS EQA/PT services are provided by centres in 11 cities which each cover a specific areas of expertise. These centres form the UK NEQAS Consortium, a not-for-profit company limited by guarantee and a UK Registered Charity (no: 1044013). To ensure the provision of high quality and independent EQA/PT services every UK NEQAS member centre has no commercial interests, is staffed by a dedicated team of EQA/PT specialists, operates on a strict not-for-profit basis, is accredited to ISO 17043, and operates programmes specifically designed to improve patient care.

At UK NEQAS we are committed to the provision of EQA/PT services that support the continual improvement of healthcare services by

- providing education
- facilitating clinical audit
- monitoring clinical effectiveness
- assisting in the management of risk
- generating information used for research and development

By providing EQA/PT that fulfil these requirements, members of the UK NEQAS Consortium support laboratories in the accurate and precise delivery of their services ensuring patients receive the highest quality diagnostic testing wherever in the world they may be.

The partnership between UK NEQAS and laboratories worldwide is for the benefit of patients. We are proud to support high quality healthcare through this relationship. We realise that there is still a significant amount of work required to further develop EQA/PT systems and we are keen to undertake this in partnership with our participants. We always welcome feedback and suggestions on how we can improve our services.

Thank you for your continuing support of UK NEQAS.

Contents

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 Tephine Biopsy	
Diagnostics Cytopathology	
Mohs' Procedure	
Muscle Histochemistry	
Neuropathology	
Renal Biopsy Pathology	
Transmission Electron Microscopy (TEM)	
Companion Schemes	Frozen Sections
	Mega Blocks
	Tissue Evaluation*
Digital Interpretative Diagnostic Cytopathology*	
Digital Pathology Imaging*	
Direct Immunofluorescence (DIF)*	

Head and Neck Pathology
Tel: +44 (0) 121 371 5723
Email: neckpath@ukneqas.org.uk
Legal entity: British Society for Oral & Maxillofacial
Services Available
Head & Neck Pathology (Oral, ENT & Combined)

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
Services Available
Neuropathology Interpretative EQA Scheme

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 - ER
	Breast Pathology - Hormonal Receptors - ER and PR
	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*
	NSCLC ROS1 IHC*
	TNBC PD-L1 IHC*
In-Situ Hybridisation Modules	Breast (HER2 ISH – Interpretative)
	Breast (HER2 ISH – Technical)
	NSCLC ALK ISH*
	NSCLC ROS1 ISH*

Clinical Chemistry

Cardiac Markers
Tel: +44 (0) 141 440 2888
Email: info@ukneqas-cm.org.uk
Legal entity: NHS Greater Glasgow & Clyde
Services Available
BNP
Cardiac Troponin I (including high sensitivity methods)
Cardiac Troponin T (including high sensitivity methods)
CKMB
Myoglobin
NT-proBNP

Trace Elements
Tel: +44 (0) 1483 689 022
Email: rsc-tr.Guildford-EQA@nhs.net
Legal entity: Frimley Health NHS Foundation Trust
Services Available
Aluminium in Water (Educational)
Serum Trace Elements (Zn, Cu, Al, Se, Cr & Co)
Solid Matrix (Elements) (Cu & Fe)
Urine Trace Elements (Hg, Cu, Fe, Zn, Cr, Co, As, Cd, Pb, Mn, Ni, Tl, & Se)
Whole Blood Trace Elements (Pb, Mn, Cr, Co, As, Cd, Mg, Hg, Zn, Se & Tl)

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
Erythropoietin
Faecal Haemoglobin
Faecal Markers
Faecal Pancreatic Elastase
Fluids*
Fructosamine
GFR Estimations
Glycated Haemoglobins
Haematinic Assays
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

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

Edinburgh Peptide Hormones	
Tel: +44 (0) 131 242 6885	
Email: ukneqas@ed.ac.uk	
Legal entity: NHS Lothian	
Services Available	
Maternal Serum Screening	1st Trimester (Down's syndrome and Trisomies T13 and T18)
	1st Trimester (Down's syndrome in dried blood spots)*screening
	2nd Trimester (Down's syndrome)
	2nd Trimester (Neural tube defects)
Pre-eclampsia Markers*	Placental Growth Factor (PLGF)
	SFlt-1
	SFlt-1: PLGF ration
Peptide I	FSH, LH, AMH, Prolactin and Growth Hormone
Peptide II	PTH, ACTH and Calcitonin
Pregnancy Testing	Urinary hCG (Qualitative and Quantitative)
Tumour Markers	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)
	FIB-4 Score

Haematology

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 Tests	ABO Titration
	Red Cell Genotyping
	Extended Red Cell Phenotyping*
	Antenatal Antibody Titration*
	Direct Antiglobulin Test (DAT)
Other Services (supplementary to EQA)	Training, Assessment & Competency Tool (TACT) Transfusion

Haematology

Blood Coagulation	
Tel: +44 (0) 114 267 3300	
Email: neqas@coageqa.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)
	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)
	VWF:RCo (activity) Assay
Other Tests	ADAMTS13
	Direct Oral Anticoagulant (DOAC) Assay
	Factor V Leiden/Molecular Genetics of Thrombophilia Testing
	Genetics of Heritable Bleeding & Thrombotic Disorders EQA Programme
	Heparin Induced Thrombocytopaenia (HIT) Assays
	Lupus Anticoagulant
	Plasma Homocysteine

Haematology	
Tel: +44 (0) 1923 217 878	
Email: haem@ukneqas.org.uk	
Legal entity: West Hertfordshire Hospitals NHS Trust	
Services Available	
Automated Counting & Related	Automated Differential Leucocyte Count
	ESR
	Full Blood Count
	Hb only
	Infectious Mononucleosis Screen*
	NRBC (Sysmex analysers)*
	Plasma Viscosity
	Reticulocyte Count
Morphology Related	Blood Films for Morphology, Manual Differential and Parasite Identification
	Cytochemistry (Haemosiderin)
	Digital Morphology for CPD*
	Malaria Rapid Diagnostic Testing (Haematology)
Haemoglobinopathy	Abnormal Haemoglobins Hb A2/Hb F & Hb S
	DNA Diagnostics for Haemoglobinopathies
	Newborn Haemoglobinopathy Screen (liquid blood)
	Newborn Sickle Screening (dried blood spot)
	Sickle Solubility Screening
Red Cell Enzymes	G6PD Screen and Assay
	Pyruvate Kinase Assay*

Vitamin K
Tel: +44 (0) 207 188 6815
Email: keqas@ukneqas.org.uk
Legal entity: Viapath Analytics
Services Available
Vitamin K_1 at endogenous concentrations in human serum
Mk-4 at endogenous concentrations in human serum*
Mk-7 at endogenous concentrations in human serum*
Undercaboxylate Prothrombin (PIVKA-II) in human serum*
Vitamin K_1 2, 3-epoxide at endogenous concentrations in human serum*

 *Pilot/Non Accredited #Non-UK Only **For accreditation status please refer to www.ukas.com**

Haematology

Leucocyte Immunophenotyping	
Tel: +44 (0) 114 267 3600	
Email: admin@ukneqasli.co.uk	
Legal entity: Sheffield Teaching Hospitals NHS Foundation Trust	
Services Available	
Flow Cytometry	CD34+ Stem Cell Enumeration
	Cerebrospinal Fluid (CSF) Immunophenotyping*
	Haematological Malignancy Bone Marrow Aspirate Assessment* (Individual)
	Haematological Malignancy Bone Marrow Aspirate Assessment* (Group Licence 1-5 Registrations)
	Haematological Malignancy Bone Marrow Aspirate Assessment* (Group Licence 6-10 Registrations)
	Haematological Malignancy Bone Marrow Aspirate Assessment* (Group Licence 11-20 Registrations)
	Immune Monitoring
	Immune Monitoring (Alternative Technologies)
	Leukaemia Immunophenotyping and Diagnostic Interpretation
	Leukaemia Diagnostic Interpretation-Institute*
	Leukaemia Diagnostic Interpretation-Individual*
	Low Level Leucocyte Enumeration
	Minimal Residual Disease for ALL by Flow Cytometry
	Minimal Residual Disease for AML by Flow Cytometry*
	Minimal Residual Disease for CLL by Flow Cytometry*
	Minimal Residual Disease for Plasma Cell Myeloma by Flow Cytometry*
	Paroxysmal Nocturnal Haemoglobinuria
Molecular	Acute Myeloid Leukaemia and Myelodysplastic Syndrome Gene Panels*
	BCR-ABL1 Kinase Domain Mutation Status*
	BCR-ABL1 Major Quantification
	BCR-ABL1 Minor Quantification*
	BCR-ABL1 and AML Translocation Identification
	BRAF p.Val600Glu (V600E) Mutation Status for Hairy Cell Leukaemia

Leucocyte Immunophenotyping continued	
Molecular	Chronic Lymphocytic Leukaemia Gene Panels*
	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*
	Myeloproliferative Neoplasms Gene Panels*
	NPM1 Mutation Status
	Paediatric Acute Leukaemia Translocations
	Post-Stem Cell Transplant Chimerism

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 Haemochromatosis
Interpretative HLA Genotype
KIR Genotyping
HPA Antibody Detection/Specification

Immunology

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
	Myelin Associated Glycoprotein Antibodies*
	Myositis Associated Antibodies*
	Nuclear Antibodies DNA/ANA
	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 & 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

Immunology, Immunochemistry & Allergy (continued)	
Immunochemistry	Alkaline Phosphatase (ALP) Isoenzymes*
	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
	Ultrasensitive PSA*
Digital EQA	Cryoproteins (image based)
	Interpretative EQA (iEQA)

Microbiology

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

Microbiology

Microbiology	
Tel: +44 (0) 208 905 9890	
Email: organiser@ukneqasmicro.org.uk	
Legal entity: Public Health England	
Services Available	
Bacteriology	AAFB Microscopy
	Antimicrobial Susceptibility
	Bacterial Identification
	Carbapenemase-producing Organisms (CPO)*
	Clostridium Difficile
	Community Medicine
	Faecal Pathogens
	General Bacteriology incl. Antimicrobial Susceptibility
	General Bacteriology Identification
	Genital Pathogens
	MRSA Screening
	Mycobacteria Culture
	Urinary Antigens
Molecular	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
Mycology	Antifungal Susceptibility
	Mycology
	Cryptococcal Antigen Detection
	Fungal Biomarkers
	Mycology Teaching Workshop (one day)

Microbiology (continued)	
Virus Serology	Anti-HBs Detection
	Blood Borne Viruses
	Blood Donor Screen
	Diagnostic Serology: Hepatitis Screen
	Hepatitis B Serology
	Hepatitis C Serology
	Hepatitis E Serology
	HIV Serology
	Immunity Screen
	Measles and Mumps IgG Serology
	Serology
	Rubella IgG Serology
	Syphilis Serology
Interpretative Comments	

Genomics & Reproductive Science

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 (practical)
	Sperm Morphology (practical)
	Sperm Motility (online)
	Interpretative Sperm Morphology (online)
Embryology	Embryo Morphology (online)
	Time Lapse Annotation (online)

Genomics & Reproductive Science

Genomics/Molecular Genetics
Tel: Oxford Office: +44 (0) 1865 857 644 Edinburgh Office: +44 (0) 131 242 6898
Email: info@genqa.org
Legal entity: Oxford University Hospitals NHS Foundation Trust/ NHS Lothian
Services Available

Molecular Genetic Disorders	
Ataxia & Hereditary Spastic Paraplegia	Friedreich ataxia
	Spastic Paraplegia, Hereditary (HSP)
	Spinocerebellar ataxias
Cardiac disorders (previously Cardiomyopathies & Arrhythmias)	Brugada syndrome
	Cardiomyopathies
	Catecholaminergic polymorphic ventricular tachycardia (CPVT)
	General arrhythmias
	Long QT Syndrome
	Marfan Syndrome
Charcot-Marie-Tooth-Disease (CMT) & related sensory & motor neuropathies	Charcot Marie Tooth disease (CMT)
	Hereditary Liability to Pressure Palsies (HNPP)
	Hereditary Motor and Sensory Neuropathy (HMSN)
Cystic Fibrosis (CF) and CFTR-related disorders	
Epilepsy disorders (previously Rett syndrome only)	Dravet Syndrome
	Rett Syndrome
	Tuberous Sclerosis
Eye disorders (previously Retinal disorders)	Albinism
	Coloboma
	Cone/Cone-rod dystrophies
	Leber congenital amaurosis
	Microphthalmia
	Retinitis pigmentosa
	Structural eye abnormalities
Familial Colorectal Cancer & Polyposis disorders (previously separate EQA)	Familial adenomatous polyposis (FAP)
	Lynch Syndrome
	MUYTH-associated polyposis (MAP)

Molecular Genetic Disorders continued	
Familial Endocrine Trumour Predispositions disorders	Multiple endocrine neoplasia type 1 (MEN1)
	Multiple endocrine neoplasia type 2 (MEN2)
	Familial medullary thyroid carcinoma (FMTC)
	Familial paraganglioma and phaeochromocytoma
	Von Hippel-Lindau Disease (VHL)
Familial Hypercholesterolaemia (FM)	
Fragile X Syndrome & FMR1-related disorders	Fragile X Associated Tremor Ataxia (FXTAS)
	Premature ovarian failure (POF)
Hereditary Breast and Ovarian Cancer (HBOC) disorders	Familial Breast and Ovarian Cancer - *BRCA1/BRCA2*
	Cowden Disease
	Li-Fraumeni Disease
	Peutz-Jegher Syndrome
Huntington Disease (HD)	
Hypotonic Infant	Myotonic Dystrophy
	Prader-Willi Syndrome
	Spinal Muscular Atrophy (SMA)
Imprinting disorders	Angelman Syndrome
	Beckwith Wiedemann Syndrome (BWS)
	Silver-Russell Syndrome (SRS)
Inborn Errors of Metabolism	Fabry Disease
	Gaucher Disease
	Medium Chain acyl-CoA Dehydrogenase Deficiency (MCADD)
	Tay-Sachs Disease
Linkage Analysis*	

Genomics & Reproductive Science

Molecular Genetic Disorders continued	
Mitochondrial and POLG-related disorders (previously separate EQA)	m.3243A>G related disorders
	Myoclonic epilepsy with ragged red fibers (MERRF) Syndrome
	Leber's Hereditary Optic Neuropathy (LHON)
	Leigh Syndrome
	Neuropathy, Ataxia, and Retinitis Pigmentosa (NARP) Syndrome
	POLG-related disorders
Muscular Dystrophies (previously BMD/DMD only)	Congenital Muscular Dystrophy (CMD)
	Becker Muscular Dystrophy (BMD)
	Duchenne Muscular Dystrophy (DMD)
	Emery-Dreifuss Muscular Dystrophy (EDMD)
	Limb girdle Muscular Dystrophy (LGMD)
Neurodegenerative disorders (previously Dementia and ALS only)	Alzheimer Disease
	Amylotrophic Lateral Sclerosis (ALS)
	Frontotemporal Dementia
	Parkinson Disease
Neurofibromatosis Type 1 and Rasopathies	Neurofibromatosis Type 1
	Neurofibromatosis Type 2
	Noonan Syndrome
Osteogenesis Imperfecta	
Respiratory disorders	Birt-Hogg Dube Syndrome
	FLCN-related disorders
	Pulmonary Arterial Hypertension
Renal disorders	Alport Syndrome
	Haematuria
	Polycystic Kidney Disease

Molecular Genetic Disorders continued	
Skeletal Dysplasias	Achondroplasia
	Achondrogenesis
	Apert Syndrome
	Crouzon Syndrome
	FGFR2-related disorders
	FGFR3-related disorders
	Hypochondroplasia
	Pfeiffer Syndrome
	Thanatophoric Dysplasia
Combined Molecular and Cytogenomic EQA	
Infertility*	Congenital Bilateral Absence of the Vas Deference (CBAVD)
	FMR1-related disorders
	Y Chromosome Deletion
	Karyotyping
Severe Developmental Delay*	
Disorders of Sexual Development (DSD)*	Androgen Insensitivity Syndrome
	Congenital Adrenal Hyperplasia (CAH)
	SHOX Deficiency
Clinical Genetics	
Cardiovascular Genetics	
Dysmorphology	
Monogenic disorders	
Oncogenetics	
Postnatal EQA	
Blood	
Chromosome Breakage syndromes*	
Induces Pluripotent Stem (IPS) Cells*	
Microdeletion syndromes (FISH)*	
Postnatal Constitutional CNV Detection (provided in collaboration with EMQN)	

Individual Competency Assessment
Genomics Training and Competency Tool (G-TACT)
BRCA variant classification (provided in collaboration with EMQN)
Copy Number Variant (CNV) classification
Single nucleotide variant (SNV) classification
Somatic variant classification
Tissue-i – online tissue assessment module

Genomics & Reproductive Science

Molecular Genetic Disorders continued
Prenatal Testing
Amniotic Fluid
Chorionic Villus (CVS)
Maternal Cell Contamination (MCC) & Sexing
Molecular Rapid Aneuploidy (MRA)
Non-invasive prenatal testing (NIPT) for common aneuploidies* (provided in collaboration with EMQN)
Non-invasive prenatal testing (NIPT) for common microdeletions*
Non-invasive prenatal testing (NIPT) for sex determination* (provided in collaboration with EMQN)
Pregnancy Loss – G-banding only (formerly Products of conception/Fetal tissue)
Pregnancy Loss – molecular methods (formerly Products of Conception/Fetal tissue)
Prenatal constitutional Copy Number Variation (CNV) detection (previously Prenatal microarray)
Rapid Prenatal Aneuploidy FISH
Preimplantation Genetic Testing
Blastomere FISH (Stages 1 & 2)
Polar Bodies
Trophectoderm/Blastomere for aneuploidies
Trophectoderm/Blastomere for chromosomal rearrangements
Trophectoderm/Blastomere for monogenic disorders (Stages 1 & 2)
Technical
DNA extraction from blood
DNA extraction from formalin-fixed paraffin embedded (FFPE) tissue
DNA extraction from fresh/frozen (FF) tissue*
DNA extraction from saliva*
DNA quantification*
Next Generation Sequencing (NGS) germline testing* (in collaboration with EMQN)
Next Generation Sequencing (NGS) somatic testing* (in collaboration with EMQN)
Variant Classification
Pathogenicity of germline sequence variants (Classification & Interpretation)
Pathogenicity of germline sequence variants (Classification only)
Pathogenicity of somatic sequence variants (Classification only)
Variant Validation

Molecular Genetic Disorders continued
Haematological Neoplasms
Acquired Array (CLL/MDS)
Acute Lymphoblastic Leukaemia (ALL) (G-Banded)
Chronic Lymphocytic Leukaemia (CLL) IGHV Mutations Status* (provided in collaboration with UKNEQAS LI)
Chronic Lymphocytic Leukaemia (CLL) *TP53* Analysis* (provided in collaboration with UKNEQAS LI)
Lymphoma (FFPE FISH)
Mature B&T Cell Neoplasms (G-Banded)
Mature B&T Cell Neoplasms (Fixed cells FISHfor CLL and Lymphoma)
Myeloid disorders (G-Banded)
Myeloma (FISH/Array/NGS)
Technical FISH (formerly Acute Leukaemia FISH)
Molecular Pathology
BRCA germline testing in ovarian cancer (provided in collaboration with EMQN)
BRCA somatic testing in ovarian cancer (provided in collaboration with EMQN)
Central Nervous System (CNS) Tumours
Circulating free DNA (cfDNA) for lung cancer* (provided in collaboration with EMQN)
Colorectal Cancer (core/extended MMR or MMR)
Endocrine Tumours*
Gastrointestinal Stromal Tumours (GIST)
HRR Gene Testing in Prostate Cancer* (provided in collaboration with EMQN)
Lung cancer (core/comprehensive, EGFR only or fusions)
Melanoma
Microsatellite Instability (MSI)
Molecular Tissue Identification
Neuroblastoma*
NTRK fusions*
Sarcoma
Tumour expression profiling*
Molecular Newborn Screening
Molecular testing of blood spots for Cystic Fibrosis
Molecular testing of blood spots for MCADD
Molecular testing of blood spots for Severe Combined Immunodeficiency (SCID)

Point of Care Testing

All contact information for UK NEQAS Centres can be found on page 22.

Scheme	Centre	Point of Care (POCT)/ Laboratory
Activated Clotting Time (ACT+ and ACT LR)	Blood Coagulation	POCT
BNP	Cardiac Markers	POCT & Laboratory
Cardiac Troponin I (including high sensitivity methods)	Cardiac Markers	POCT & Laboratory
Cardiac Troponin T	Cardiac Markers	POCT
CKMB	Cardiac Markers	POCT & Laboratory
Clinical Chemistry	Birmingham Quality	POCT & Laboratory
CoaguChek XS, CoaguChek XS Plus, CoaguChek XS Pro & Pro II	Blood Coagulation	POCT
CRP Ultrasensitive Assays	Immunology, Immunochemistry & Allergy	POCT & Laboratory
Cryptococcal Antigen Detection	Microbiology	POCT & Laboratory
D-Dimer	Blood Coagulation	POCT
D-Typing	Blood Transfusion Laboratory Practice	POCT
Fungal Biomarkers	Microbiology	POCT & Laboratory
Glycated Haemoglobins	Birmingham Quality	POCT & Laboratory
Hb Only	Haematology	POCT & Laboratory
HIV	Microbiology	POCT
i-STAT (PT/INR)	Blood Coagulation	POCT
Malaria Rapid	Parasitology	POCT & Laboratory
Molecular Detection of Respiratory Viruses	Microbiology	POCT & Laboratory
Myoglobin	Cardiac Markers	POCT & Laboratory
NT-proBNP	Cardiac Markers	POCT & Laboratory
Pregnancy Testing	Edinburgh Peptide Hormones	POCT & Laboratory
Respiratory Rapid: RSV	Microbiology	POCT
Thromboelastometry and Thromboelastography	Blood Coagulation	POCT
Urinary Antigen	Microbiology	POCT & Laboratory
Urine Dipsticks	Birmingham Quality	POCT & Laboratory
Viral Gastroenteritis	Microbiology	POCT & Laboratory
Xprecia Stride (PT/INR)	Blood Coagulation	POCT

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