EQA Directory 2021 (updated 23/11/2020)

For full details go to www.genqa.org/eqa

Annual Registration Fee					£150
Sample Handling					
Technical - Next Generation Sequencing					
Preimplantation Genetic Testing (PGT)					
Prenatal testing					
Molecular Newborn screening					
Postnatal constitutional - including joint molecular/cytogenomics					
Molecular Genetic Disorders - including Pharmacogenetics					
Haematological Neoplasms					
Molecular Pathology					
Variant Classification					
Clinical Genetics					

Providing over 100 genomic EQAs encompassing the sample and patient journey

Sample Handling	EQA Code	Analysis	Sample Type	Accreditation status	Fee (£)
DNA extraction from venous blood	2021DNAB	Technical only	Blood	Accredited	1100
DNA extraction from formalin-fixed paraffin embedded (FFPE) tissue	2021DNAFFP	Technical only	FFPE	Accredited	430
DNA extraction from fresh frozen (FF) tissue	2021DNAFF	Technical only	Fresh tissue	Pending accreditation	530
DNA extraction from saliva	2021DNAS	Technical only	Saliva	Pending accreditation	530
DNA quantification	2021DNAQ	Technical only	DNA	Pending accreditation	315

Technical - Next Generation Sequencing	EQA Code	Analysis	Sample Type	Accreditation status	Fee (£)
NGS germline[2]	2021NGSG	Technical only	Genomic DNA	Pending accreditation	600
NGS somatic panel[2]	2021NGSSP	Technical only	Somatic DNA	Pending accreditation	600
NGS somatic WES/WGS[2]	2021NGSSW	Technical only	Matched tumour / germline DNA	Pending accreditation	920
NGS EQA Package	Enrol in NGS germline EQA or NGS somatic panel EQA and save 50% on enrolment in any Classification of variants EQA.				

Preimplantation Genetic Testing (PGT)	EQA Code	Analysis	Sample Type	Accreditation status	Fee (£)
PGT for Aneuploidies	PGTA	Technical, Genotyping and Interpretation	DNA	Accredited	380
PGT for Blastomere FISH (Stage 1 and 2)	PGTBF	Analytical and Interpretation	Images	Accredited	380
PGT for Monogenic Disorders (Stage 1)	PGTM	Technical, Genotyping and Interpretation	DNA	Accredited	125
PGT for Monogenic Disorders (Stage 2)	PGTM	Technical, Genotyping and Interpretation	Cells	Accredited	255
PGT for Polar bodies	PGTPB	Technical, Genotyping and Interpretation	DNA	Accredited	380
PGT for Structural Rearrangements	PGTSR	Technical, Genotyping and Interpretation	DNA	Accredited	380
PGT EQA Package	Enrol in 3 EQAs and save £40.				

Prenatal Testing	EQA Code	Analysis	Sample Type	Accreditation status	Fee (£)
Maternal cell contamination (MCC) and fetal sexing	2021PNMCC	Technical, Genotyping and Interpretation	DNA	Accredited	380
Non-invasive prenatal testing (NIPT) for common aneuploidies[2]	2021NIPTA	Technical, Genotyping and Interpretation	Plasma	Pending accreditation	380
Non-invasive prenatal testing (NIPT) for common microdeletions	2021NIPTM	Technical, Genotyping and Interpretation	Plasma	Pilot	380
Non-invasive prenatal testing (NIPT) for fetal sex determination[2]	2021NIPTS	Technical, Genotyping and Interpretation	Plasma	Pending accreditation	380

Pregnancy loss (G-banding)	2021PNPLG	Analytical and Interpretation	Images	Accredited	380
Pregnancy loss (Molecular methods)	2021PNPLM	Technical, Genotyping and Interpretation	DNA	Accredited	380
Prenatal constitutional copy number variation (CNV) detection	2021PNCNV	Technical, Genotyping and Interpretation	DNA	Accredited	380
Prenatal karyotyping (Previously AF and CVS)	2021PNK	Analytical and Interpretation	Images	Accredited	380
Rapid prenatal testing for common aneuploidies (Previously RA-FISH and MRA)	2021PNRA	Technical, Analysis / Genotyping & Interpretation	Fixed cell suspension / DNA	Accredited	380

Molecular Newborn Screening	EQA Code	Analysis	Sample Type	Accreditation status	Fee (£)
Molecular testing for cystic fibrosis (CF)	2021NBSC	Genotyping only (4 rounds)	Neonatal screening cards	Accredited	850
Molecular testing for Medium-chain acyl-CoA dehydrogenase deficiency (MCADD)	2021NBSM	Genotyping only (4 rounds)	Neonatal screening cards	Accredited	850
Molecular testing for Severe Combined Immunodeficiency (SCID)	2021NBSS	Analytical only (6 rounds)	Neonatal screening cards	Pilot	820

Postnatal Constitutional	EQA Code	Analysis	Sample Type	Accreditation status	Fee (£)
Induced Pluripotent stems (IPS) cells	2021PIPS	Analytical and Interpretation	Images	Pending	200
Microdeletion syndromes	2021PMDEL	Technical, Analytical and Interpretation	Fixed cells	Pilot	200
Postnatal constitutional copy number variation (CNV) detection[2]	2021PCNV	Technical, Genotyping and Interpretation	DNA	Accredited	380
Recurrent miscarriage karyotyping (previously Blood-Postnatal)	2021PRMK	Analytical and Interpretation	Images	Accredited	380
Sex chromosome disorders karyotyping (previously Blood-postnatal)	2021PSCK	Analytical and Interpretation	Images	Accredited	380
Joint Molecular / Cytogenomics	**EQA Code**	**Analysis**	**Sample Type**	**Accreditation status**	**Fee (£)**
Chromosome breakage syndromes	2021PCB	Technical, Analytical/ Genotyping & Interpretation	Images and DNA	Pending Accreditation	380
Disorders of Sexual Development (DSD)	2021PDSD	Interpretation only	Case scenario	PIlot	200
Infertility	2021PINF	Interpretation only	Case scenario	Pilot	200
Severe Developmental delay	2021PSDD	Interpretation only	Case scenario	Pilot	200
Postnatal Constitutional EQA package	**Enrol in recurrent miscarriages, sex chromosome disorders karyotyping and infertility and save £160**				

Molecular Genetic Disorders	EQA Code	Analysis	Sample Type	Accreditation status	Fee (£)
Ataxia, including Hereditary Spastic Paraplegia (HSP)	2021MATAX	Technical, Genotyping and Interpretation	DNA	Accredited	380
Cardiac disorders	2021MCARD	Technical, Genotyping and Interpretation	DNA	Accredited	380
Charcot Marie Tooth disease and related sensory and motor neuropathies	2021MCMT	Technical, Genotyping and Interpretation	DNA	Accredited	380
Cystic fibrosis and CFTR-related disorders	2021MCF	Technical, Genotyping and Interpretation	DNA	Accredited	380
Epilepsy disorders	2021MEP	Technical, Genotyping and Interpretation	DNA	Pending accreditation	380
Eye disorders	2021MEYE	Technical, Genotyping and Interpretation	DNA	Pending accreditation	380
Familial Colorectal Cancer and Polyposis	2021MCRC	Technical, Genotyping and Interpretation	DNA	Accredited	380
Familial Endocrine turmour predisposition disorders	2021MENDO	Technical, Genotyping and Interpretation	DNA	Accredited	380
Familial Hypercholesterolaemia	2021MFH	Technical, Genotyping and Interpretation	DNA	Accredited	380
Fragile X syndrome and FMR1-related disorders	2021MFRAX	Technical, Genotyping and Interpretation	DNA	Accredited	380
Gastrohepatology disorders NEW	2021MGH	Technical, Genotyping and Interpretation	DNA	Pilot	100
Hereditary breast and ovarian cancer disorders	2021MHBOC	Technical, Genotyping and Interpretation	DNA	Accredited	380
Huntington disease	2021MHD	Technical, Genotyping and Interpretation	DNA	Accredited	380

Hypotonic Infant	2021MHI	Technical, Genotyping and Interpretation	DNA	Accredited	380
Imprinting disorders	2021MIMP	Technical, Genotyping and Interpretation	DNA	Accredited	380
Inborn Errors of Metabolism	2021MIEM	Technical, Genotyping and Interpretation	DNA	Pending accreditation	380
Linkage analysis	2021MLINK	Interpretation only	Case scenario	Pending accreditation	200
Mitochondrial and POLG-related disorders	2021MMT	Technical, Genotyping and Interpretation	DNA	Accredited	380
Muscular dystrophies	2201MMD	Technical, Genotyping and Interpretation	DNA	Accredited	380
Neurodegenerative disorders	2021MND	Technical, Genotyping and Interpretation	DNA	Accredited	380
Neurofibromatosis and rasopathies	2021MNF	Technical, Genotyping and Interpretation	DNA	Accredited	380
Osteogenesis Imperfecta NEW	2021MOI	Technical, Genotyping and Interpretation	DNA	Pilot	100
Primary Immunodeficiencies NEW	2021MPI	Technical, Analytical and Interpretation	DNA	Pilot	100
Renal disorders	2021MREN	Technical, Genotyping and Interpretation	DNA	Accredited	380
Respiratory disorders NEW	2021MRESP	Technical, Genotyping and Interpretation	DNA	PIlot	100
Skeletal dysplasias, including FGFR2/FGFR3-related disorders	2021MSKEL	Technical, Genotyping and Interpretation	DNA	Accredited	380
X-inactivation	2021MXI	Technical, Analytical and Interpretation	DNA	Accredited	380
Molecular Genetic Disorder EQA Package Option 1	**Enrol in 15 Molecular Genetics EQAs (excluding pilot EQAs) - Save £250**				
Molecular Genetic Disorder EQA Package Option 2	**Enrol in 20 Molecular Genetics EQAs (excluding pilot EQAs) - Save £600**				
Pharmacogenetics	**EQA Code**	**Analysis**	**Sample Type**	**Accreditation status**	**Fee (£)**
Aminoglycoside Induced deafness NEW	2021MDEAF	Technical, Genotyping and Interpretation	DNA	Pilot	100
Prediction of 5-Fluorouracil toxicity	2021MDPYD	Technical, Genotyping and Interpretation	DNA	PIlot	200

Haematological Neoplasms	**EQA Code**	**Analysis**	**Sample Type**	**Accreditation status**	**Fee (£)**
Acquired array (CLL and MDS)	2021HAA	Technical, Analytical and Interpretation	DNA	Accredited	380
Acute Lymphoblastic Leukaemia (ALL)	2021HALL	Analytical and Interpretation	Images	Accredited	380
Chronic Lymphocytic Leukaemia (CLL) IGHV mutation status[1]	2021HCLLI	Technical, Genotyping and Interpretation	DNA and lyophilised cells	Pilot	200
Chronic Lymphocytic Leukaemia (CLL) TP53 analysis[1]	2021HCLLT	Technical, Genotyping and Interpretation	DNA and lyophilised cells	Pilot	200
Chronic Lymphocytic Leukaemia (CLL) (Previously Mature B & T FISH & Mature B & T G-band)	2021HCLLC	Technical, Analytical and Interpretation	Fixed cells/Images	Accredited	380
Haematological Technical FISH	2021HTF	Technical and Analytical	Fixed cells	Pilot	380
Lymphoma (Previously Mature B & T FISH & Mature B & T G-band)	2021HLYM	Technical, Analytical and Interpretation	Fixed cells / FFPE/Images	Accredited	380
Myeloid disorders	2021HMD	Analytical and Interpretation	Images	Accredited	380
Myeloma	2021HMM	Technical, Analytical and Interpretation	Images/ Fixed cells/DNA	Accredited	380

Molecular Pathology	**EQA Code**	**Analysis**	**Sample Type**	**Accreditation status**	**Fee (£)**
Breast cancer (PIK3CA testing) NEW	2021TBCP	Genotyping only	FFPE	Pilot	100
Breast Cancer -Tumour expression profiling NEW	2021TEP	Genotyping only	FFPE	Pilot	100
Central Nervous System (CNS) tumours	TCNS	Technical, Genotyping and Interpretation	FFPE	Accredited	380
Colorectal cancer Option 1 core	2021TCRC	Technical, Genotyping and Interpretation (two rounds)	FFPE	Accredited	680

Colorectal cancer Option 2 mismatch repair (MMR)	2021TCMSI	Technical, Genotyping and Interpretation (two rounds)	FFPE	Accredited	810
Colorectal cancer Option 3 Extended MMR	2021TCMMR	Technical, Genotyping and Interpretation (two rounds)	FFPE	Accredited	810
Gastrointestinal Stromal Tumours (GIST)	2021TGT	Genotyping only	FFPE	Accredited	265
Lung cancer - Option 1 EGFR	2021TLE	Technical, Genotyping and Interpretation (two rounds)	FFPE	Accredited	680
Lung cancer - Option 2 core	2021TLC	Technical, Genotyping and Interpretation (two rounds)	FFPE	Accredited	680
Lung cancer - Option 3 comprehensive	2021TLALL	Technical, Genotyping and Interpretation (two rounds)	FFPE	Accredited	810
Lung cancer - Option 4 fusions	2021TLF	Technical, Genotyping and Interpretation (two rounds)	FFPE	Accredited	680
Lung cancer - Circulating free (cf) DNA in lung cancer[2]	2021TCFD	Technical, Genotyping and Interpretation	Artifical plasma	Pending Accreditation	TBC
Melanoma	2021TM	Technical, Genotyping and Interpretation (two rounds)	FFPE	Accredited	680
Microsatellite Instability (MSI)	2021TMSI	Technical, Genotyping and Interpretation	FFPE / DNA	Accredited	265
Molecular Tissue identification	2021TMT	Technical, Genotyping and Intepretation	FFPE	Accredited	265
Neuroblastoma	2021TNB	Technical, Genotyping and Interpretation	Images or DNA	Pilot	265
Ovarian cancer - BRCA testing in ovarian cancer (germline)[2]	2021TBROVG	Technical, Genotyping and Interpretation	DNA	Accredited	0
Ovarian cancer - BRCA testing in ovarian cancer (somatic)[2]	2021TBROVS	Technical, Genotyping and Interpretation	FFPE	Accredited	0
Pan cancer NTRK testing	2021TNTRK	Technical, Genotyping and Interpretation	FFPE	Pilot	265
Prostate cancer - HRR testing in prostate cancer[2]	2021THRR	Technical, Genotyping and Interpretation		Pilot	100
Renal tumours NEW	2021TRT	Genotyping only	FFPE	Pilot	100
Sarcoma	2021TSA	Technical, Genotyping and Interpretation	FFPE	Accredited	265
Thyroid cancer NEW	2021TT	Genotyping only	FFPE/DNA	Pilot	100

Variant Classification	EQA Code	Analysis	Sample Type	Accreditation status	Fee (£)
Exome Sequencing Data Interpretation NEW	2021VEX	Interpretation only	Case scenario	Pilot	100
ISCN Accuracy NEW	2021VISCN	Interpretation only	Case scenario	Pilot	100
Pathogenicity of germline sequence variants (Classification only)	2021VGC	Interpretation only	Case scenario	Accredited	200
Pathogenicity of germline sequence variants (Classification & Interpretation)	2021VGCI	Interpretation only	Case scenario	Accredited	200
Pathogenicity of somatic sequence variants (Classification only)	2021VSC	Interpretation only	Case scenario	Pilot	200
Pathogenicity of germline postnatal copy number variants (CNV) (Classification)	2021VCNV	Interpretation only	Case scenario	Pilot	100
Variant validation	2021VVAL	Analytical, genotyping and interpretation	DNA	Pending Accreditation	380

Clinical Genetics	EQA Code	Analysis	Sample Type	Accreditation status	Fee (£)
Cardiovascular disorders	2021CGC	Interpretation only. Various syndromes involving cardiovascular disorders with a genetic etiology.	Case scenario	Pending Accreditation	135
Dysmorphology	2021CGD	Interpretation only. Various syndromes involving dysmorphism(s) with a genetic etiology.	Case scenario	Pending Accreditation	135

Monogenic disorders	2021CGM	Interpretation only. Various syndromes involving single gene(s) disorders.	Case scenario	Pending Accreditation	135
Oncogenetic disorders	2021CGO	Interpretation only. Various cancers with a genetic predisposition or inherited.	Case scenario	Pending Accreditation	135
Genetic counselling NEW	2021CGGC	Interpretation only. Pre and Post- test counselling for Cancer, Prenatal DIagnosis, and Genetic disorders/ diseases.	Case scenario	Pilot	100
Clinical Genetics EQA Package	**Enrol in 4 Clinical genetics EQAs - get Genetic Counselling for free**				

Individual Competency Assessment	Type of EQA	Number of users	Fee (£)
G-TACT Genetics Training and Competency Tool	Individual competency	<10 11 to 20 21-30 additional 10	£500 £900 £1050 £350
Online competency assessment modules for individuals working in specific areas of the genetics laboratory (sample reception, variant analysis and report authorisation). The annual fee provides access to all available modules. Continously available throughout the year.			
BRCA Variant Classification	Individual competency	Unlimited	Free
Online competency assessment module for classifying the pathogenicity of *BRCA1* and *BRCA2* variants. Sponsored by AstraZeneca. Registration open during Summer 2020.			
Single Nucleotide Variant (SNV) Classification (trial)	Individual competency	Unlimited	Free
Online competency assessment module for classifying the pathogenicity of 5 SNVs. Registration period will be advertised.			
Copy Nucleotide Variant (CNV) Classification (trial)	Individual competency	Unlimited	Free
Online competency assessment module for classifying the pathogenicity of 5 CNVs. Registration period will be advertised.			
Somatic Variant Classification (trial)	Individual competency	Unlimited	Free
Online competency assessment module for classifying the pathogenicity of 5 somatic variants Registration period will be advertised.			
Assessment of tumour content and cellularity of the tissue samples	Individual competency	Up to 3	£480
Online tissue assessment module for assessment of cellularity and tumour content of FFPE tissue. Registration period will be advertised.		Additional users	£100 per person

Key

EQA: External quality assessment
FISH: Fluorescent in situ hybridisation
FFPE: Formalin fixed paraffin embedded
TBC: To be confirmed

Notes

[1] Provided in collaboration with UKNEQAS LI
[2] Provided in collaboration with EMQN
All EQAs are provided as a single round (distirbution) unless otherwise stated