Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

7872

Accredited to ISO/IEC 17043:2023

Oxford University Hospitals NHS Foundation Trust, operating GenQA

Issue No: 016 **Issue date:** 05 February 2025

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Proficiency Testing provided from the locations specified below

Locations covered by the organisation and their relevant activities

Location details		Activity	Location code
GenQA Level1, The Women's Centre John Radcliffe Hospital Oxford University Hospitals NHS Trust Oxford OX3 9DU	**Local contact** Melody Tabiner Contact details above	QMS operations Cytogenomics	JRH
GenQA Level1, The Women's Centre John Radcliffe Hospital Oxford University Hospitals NHS Trust Oxford OX3 9DU	**Local contact** Bettina Quellhorst Email: bettinaq@genqa.org	QMS operations	JRH
GenQA Laboratory Medicine NHS Lothian NINE, Edinburgh BioQuarter Little France Road Edinburgh EH16 4UX	**Local contact** Prof Sandi Deans Tel: 0131 242 6898 Email: Sandi.Deans@ed.ac.uk	Scheme operations and laboratory services	RIE

UKAS PROFICIENCY TESTING 7872 **Accredited to ISO/IEC 17043:2023**	**Schedule of Accreditation** **issued by** **United Kingdom Accreditation Service** 2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK **Oxford University Hospitals Foundation NHS Trust, operating GenQA** **Issue No:** 016 **Issue date:** 05 February 2025
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DETAIL OF ACCREDITATION

Materials/Products	Scheme Name/Type of Test/Properties Measured	Scheme Protocols/Procedures/ Techniques Used	Location Code
	Cytogenomics EQA Schemes	All protocols available through www.genqa.org	
	Constitutional EQAs:		
Online images	**Prenatal Karyotyping** Cytogenetic analysis of images and interpretation of results		RIE
Online Images	**Postnatal Karyotyping** Cytogenetic analysis of images and interpretation of results		RIE
Online images	**Pregnancy Loss (G-banded and molecular methods)** Cytogenetic analysis of images and interpretation of results and technical ability to obtain a result on an array or NGS platform, analysis, and interpretation of results		RIE
Images and DNA	**Chromosome Instability Syndromes** Analysis of images and interpretation of results and for the DNA case Technical ability to obtain a result using molecular methods, analysis and interpretation of results		RIE
Online case scenario/DNA	**Differences in Sex Development**		RIE
Online case scenario/DNA	**Infertility**		RIE

Materials/Products	Scheme Name/Type of Test/Properties Measured	Scheme Protocols/Procedures/ Techniques Used	Location Code
	Cytogenomics EQA Schemes (cont'd)	All protocols available through www.genqa.org	
Online case scenario	**Developmental Delay (SDD)**		RIE
Online images	**PGT of Blastomere (FISH**) Analysis of FISH images and interpretation of results		RIE
DNA	**PGT- SR** Preimplantation Genetic Testing for chromosomal rearrangements showing Technical ability to obtain a result on an array or NGS platform, analysis, and interpretation of results		RIE
DNA	**PGT-A** Preimplantation Genetic Testing for aneuploidies interpretation of results - showing Technical ability to obtain a result on an array or NGS platform, analysis, and interpretation of results		RIE
DNA	**Postnatal Constitutional CNV detection** Technical ability to obtain a result on an array or NGS platform, analysis, and interpretation of results		RIE
DNA	**Prenatal Constitutional CNV Detection** Technical ability to obtain a result on an array platform, analysis and interpretation of results		RIE

Materials/Products	Scheme Name/Type of Test/Properties Measured	Scheme Protocols/Procedures/ Techniques Used	Location Code
	Cytogenomics EQA Schemes (cont'd)	All protocols available through www.genqa.org	
Fixed cell suspensions and DNA	**Rapid Prenatal Testing for common aneuploidies** Technical ability to obtain a result using FISH, analysis, and interpretation of results. Technical ability to obtain a molecular result for rapid detection of aneuploidies of chromosomes 13, 18, 21 , X and Y, analysis and interpretation of results		RIE
	Haemato-Oncology EQAs:		
Online images/DNA	**Acute Lymphoblastic Leukaemia (ALL)** Cytogenetic analysis of images and interpretation of results and technical ability to obtain a result on an array or NGS platform, analysis, and interpretation of results		RIE
Fixed Cell Suspensions / online images/DNA	**Myeloma** Technical ability to obtain a result using FISH, analysis and interpretation of results Cytogenetic analysis of images and interpretation of results		RIE
Online images and Fixed cell suspensions/DNA	**Chronic Lymphocytic Leukaemia (CLL)** Cytogenetic analysis of images and interpretation of results. Technical ability to obtain a result using FISH, array or NGS platform analysis, and interpretation of results		RIE
Fixed Cell/DNA	**Microdeletion syndromes**		RIE

Materials/Products	Scheme Name/Type of Test/Properties Measured	Scheme Protocols/Procedures/ Techniques Used	Location Code
	Cytogenomics EQA Schemes (cont'd)	All protocols available through www.genqa.org	
Fixed cell suspensions	**Haematological Technical FISH** Technical ability to obtain a result using FISH, analysis, and interpretation of results		RIE
Online images/DNA	**Myeloid Disorders** Cytogenetic analysis of images and interpretation of results and technical ability to obtain a result on an array or NGS platform, analysis, and interpretation of result		RIE
Online Images and Fixed cell suspension FFPE slides	**Lymphoma** Technical ability to obtain a result using FISH, analysis and interpretation of results Cytogenetic analysis of images and interpretation of results		RIE
DNA and lyopholised cells	**CLL TP-53 analysis** Technical ability to obtain a result using sequencing methods, analysis and interpretation of results		RIE
DNA and lyopholised cells	**CLL IGHV Mutation Status** Technical ability to obtain a result using sequencing methods, analysis and interpretation of results		RIE

Materials/Products	Scheme Name/Type of Test/Properties Measured	Scheme Protocols/Procedures/ Techniques Used	Location Code
Case scenario or DNA	Molecular Genetics EQA Schemes: **Molecular Genetic disorders** Achondroplasia Angelman syndrome Alzheimer disease Arrhythmia Beckwith Wiedemann syndrome BEST disease Brugada syndrome C9orf72 related Frontotemporal Dementia and/or Amyotrophic Lateral Sclerosis CADASIL Calcium Disorders Campomelic dysplasia Catecholaminergic polymorphic ventricular tachycardia (CPVT) Charcot Marie Tooth disease (X-linked) Congenital bilateral absence of the vas deferens Connexin 26 Cystic fibrosis Dravet syndrome Duchenne and Becker muscular dystrophies Emery Dreifuss muscular dystrophy Fabry disease Familial adenomatous polyposis Hereditary breast and ovarian cancer Familial hypercholeresterolaemia Familial medullary thyroid carcinoma *FGFR2* related skeletal dysplasias *FGFR3* related skeletal dysplasias	All protocols available through www.genqa.org	RIE

Materials/Products	Scheme Name/Type of Test/Properties Measured	Scheme Protocols/Procedures/ Techniques Used	Location Code
Case scenario or DNA	Molecular Genetics EQA Schemes (cont'd) **Molecular Genetic Disorders (cont'd)** Fragile X syndrome Fragile X associated tremor ataxia Friedreich ataxia Gaucher disease Gastrohepatology disorders Hereditary and motor sensory neuropathy Hereditary neuropathy with liability to pressure palsies Hereditary spastic paraplegia Huntington disease Hypertrophic Cardiomyopathy Li-Fraumeni syndrome Limb Girdle muscular dystrophies Long QT syndrome Lynch syndrome / Hereditary non-polyposis colon cancer Marfan syndrome Maternal cell contamination and sexing MUYTH-associated polyposis Medium chain acyl CoA dehydrogenase deficiency Mitochondrial diseases Molecular aneuploidy testing Multiple endocrine neoplasia types 2A & 2B Myotonic dystrophy type 1 Neurofibromatosis type 1 Neurofibromatosis type 2 Osteogenesis Imperfecta Paraganglioma (SDHD related) Parkinson disease Pathogenicity of sequence variants POLG mutation testing Prader-Willi syndrome Primary Immunodeficiency disorders	All protocols available through www.genqa.org	RIE

Materials/Products	Scheme Name/Type of Test/Properties Measured	Scheme Protocols/Procedures/ Techniques Used	Location Code
	Molecular Genetics EQA Schemes (cont'd)	All protocols available through www.genqa.org	
Case scenario or DNA	**Molecular Genetic Disorders (cont'd)** Respiratory disorders Retinitis pigmentosa Retinopathies Rett syndrome Schwannomatosis SDHD related paraganglioma SOX-9 associated skeletal dysplasias Spinal bulbar muscular atrophy Spinal muscular atrophy Spinocerebellar ataxias Tay Sachs disease Tuberous sclerosis Von Hippel-Lindau disease X-inactivation Variant Validation		RIE
DNA	**Prediction of 5-Fluorouracil Toxicity (DPYD)**		RIE
DNA	**Aminoglycoside Induced ototoxicity**		RIE
Online case scenario/DNA	**Trio Sequencing Pre and Postnatal**		RIE
Dried blood spots	**Dried blood spot testing** Cystic fibrosis		RIE
Dried blood spots	Medium chain acyl Co-A dehydrogenase deficiency (MCCAD)		
Dried bloodspots	Severe combined Immunodeficiency (SCID)		
DNA and lymphocytes	**PGT for Monogenic Disorders** Monogenic disorders		RIE
DNA	**Next Generation Sequencing (NGS) Germline**		RIE

Materials/Products	Scheme Name/Type of Test/Properties Measured	Scheme Protocols/Procedures/ Techniques Used	Location Code
	Molecular Genetics EQA Schemes (cont'd)	All protocols available through www.genqa.org	
Plasma	**Non Invasive prenatal Testing (NIPT) for Fetal Sexing Technical ability to obtain a result using NIPT methods, analysis and interpretation of results**		RIE
Plasma	Fetal sex determination Non Invasive prenatal Testing (NIPT) for aneuploidesTechnical ability to obtain a result using NIPT methods, analysis and interpretation of results		
Plasma	**Non Invasive prenatal Testing (NIPT) for Common microdeletions** Technical ability to obtain a result using NIPT methods, analysis and interpretation of results		
	Molecular pathology		RIE
Artificial plasma	**cfDNA testing**		RIE
Formalin fixed paraffin embedded (FFPE) tumour section or DNA	Microsatellite instability testing		RIE
	Colorectal cancer		RIE
	Gastrointestinal stromal tumours		RIE
	Lung cancer		RIE
FFPE	NTRK fusions		RIE
	Melanoma		RIE
FFPE	Mismatch Repair		RIE
FFPE	Sarcoma		RIE
FFPE	Molecular Tissue Identification		RIE
FFPE	Breast cancer		RIE
FFPE	Renal tumours		RIE
FFPE	Thyroid cancer		RIE
FFPE	Central Nervous System (CNS) Tumours		RIE
FFPE	BRCA testing for ovarian and prostate cancer – somatic		RIE
DNA	BRCA testing for ovarian, breast, pancreatic and prostate cancer – germline		RIE

Materials/Products	Scheme Name/Type of Test/Properties Measured	Scheme Protocols/Procedures/ Techniques Used	Location Code
	Molecular pathology cont'd		
	DNA extraction schemes		RIE
Blood	DNA extraction from venous blood samples		
FFPE tissue	DNA extraction from formalin fixed paraffin embedded (FFPE) tissue samples		
Fresh Tissue	DNA extraction from fresh tissue		
Extracted DNA from above	DNA quantification		
Case Scenarios	**Clinical Genetics Schemes** Clinical Genetics - Cardiovascular Disorders Clinical Genetics - Dysmorphology Clinical Genetics - Monogenic Disorders Clinical Genetics - Oncogenetics		RIE
END			