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: 017 **Issue date:** 20 March 2025

Level 1, The Women's Centre
John Radcliffe Hospital
Oxford University Hospitals NHS Foundation Trust
Oxford
OX3 9DU

Contact: Melody Tabiner
E-Mail: melody.tabiner@genqa.org
bettinaq@genqa.org
Website: www.genqa.org

Proficiency Testing provided from the locations specified below

Locations covered by the organisation and their relevant activities

Location details		**Activity**
GenQA Level1, The Women's Centre John Radcliffe Hospital Oxford University Hospitals NHS Trust Oxford OX3 9DU	**Local contact** Melody Tabiner Email: melody.tabiner@genqa.org Bettina Quellhorst Email: bettinaq@genqa.org	QMS operations
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@genqa.org	Scheme operations and laboratory services

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DETAIL OF ACCREDITATION

Materials/Products	Scheme Name/Type of Test/Properties Measured	Scheme Protocols/Procedures/ Techniques Used
		All protocols available through www.genqa.org
	Sample Handling	
FFPE Tissue	DNA extraction from formalin fixed paraffin embedded (FFPE) tissue samples	
Fresh Tissue	DNA extraction from fresh tissue	
Blood	DNA extraction from venous blood samples	
DNA	DNA Quantification	
	Technical	
DNA	Next Generation Sequencing (NGS) - Germline	
	Genomic and Inherited Disorders	
Case scenario or DNA	Ataxia and spastic paraplegias	
Case scenario or DNA	Cardiac disorders	
Case scenario or DNA	Charcot Marie Tooth disease and related sensory and motor neuropathies	
Case scenario or DNA	Cystic fibrosis and CFTR-related disorders	
Case scenario or DNA	Epilepsy disorders	
Case scenario or DNA	Eye disorders	
Case scenario or DNA	Familial colorectal cancer and polyposis	
Case scenario or DNA	Familial endocrine tumour predisposition disorders	
Case scenario or DNA	Familial hypercholesterolaemia	
Case scenario or DNA	Fragile X syndrome and *FMR1*-related disorders	
Case scenario or DNA	Gastroenterology and hepatology disorders	
Case scenario or DNA	Hereditary breast and ovarian cancer	
Case scenario or DNA	Huntington disease and DRPLA	
Case scenario or DNA	Inborn errors of metabolism	
Case scenario or DNA	Mitochondrial disorders	

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Materials/Products	Scheme Name/Type of Test/Properties Measured	Scheme Protocols/Procedures/ Techniques Used
		All protocols available through www.genqa.org
	Genomic and Inherited Disorders	
Case scenario or DNA	Muscular dystrophies	
Case scenario or DNA	Neurodegenerative disorders	
Case scenario or DNA	Neurofibromatosis and rasopathies	
Case scenario or DNA	Parathyroid and calcium regulation disorders	
Case scenario or DNA	Primary immunodeficiency disorders	
Case scenario or DNA	Renal disorders	
Case scenario or DNA	Respiratory disorders	
Case scenario or DNA	Skeletal dysplasia's	
Case scenario or DNA	X-inactivation	
Case scenario	Classification and interpretation of germline SNVs and indels	
Images and DNA	Chromosome instability syndromes	
Case scenario	Developmental Delay	
Case scenario or DNA	Differences in sex development (DSD)	
Case scenario or DNA	Hypotonic infant	
Case scenario or DNA	Imprinting disorders	
Case scenario	Infertility	
Case scenario or DNA	Variant validation	
Fixed Cell or DNA	Microdeletion syndromes	
DNA	Postnatal Constitutional CNV detection	
Images	Postnatal Karyotyping	
Case scenario or DNA	Trio Sequencing Postnatal	

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Materials/Products	Scheme Name/Type of Test/Properties Measured	Scheme Protocols/Procedures/ Techniques Used
		All protocols available through www.genqa.org
	Molecular Newborn Screening	
Dried blood spots	Cystic fibrosis molecular newborn screening	
Dried blood spots	Medium chain acyl Co-A dehydrogenase deficiency molecular newborn screening	
Dried blood spots	Severe Combined Immune Deficiency molecular newborn screening (SCID)	
	Molecular Pathology	
Formalin fixed paraffin embedded (FFPE) tumour section or DNA	BRCA testing for ovarian and prostate cancer – somatic	
DNA	BRCA testing for ovarian, breast, pancreatic and prostate cancer – Germline	
Formalin fixed paraffin embedded (FFPE) tumour section or DNA or plasma	Breast cancer	
Artificial plasma	cfDNA testing for tumour biomarkers	
Formalin fixed paraffin embedded (FFPE) tumour section or DNA	CNS Tumours	
Formalin fixed paraffin embedded (FFPE) tumour section or DNA	Microsatellite instability testing	
Formalin fixed paraffin embedded (FFPE) tumour section or DNA	Molecular analysis in melanoma	
Formalin fixed paraffin embedded (FFPE) tumour section or DNA	Molecular analysis in colorectal cancer	
Formalin fixed paraffin embedded (FFPE) tumour section or DNA	Molecular analysis in gastrointestinal stromal tumours	
Formalin fixed paraffin embedded (FFPE) tumour section or DNA	Molecular analysis in lung cancer	

Materials/Products	Scheme Name/Type of Test/Properties Measured	Scheme Protocols/Procedures/ Techniques Used
		All protocols available through www.genqa.org
	Molecular Pathology	
Formalin fixed paraffin embedded (FFPE) tumour section or DNA	Molecular Tissue Identification	
Formalin fixed paraffin embedded (FFPE) tumour section or DNA	NTRK fusions	
Formalin fixed paraffin embedded (FFPE) tumour section or DNA	Renal tumours	
Formalin fixed paraffin embedded (FFPE) tumour section or DNA	Sarcoma	
Formalin fixed paraffin embedded (FFPE) tumour section or DNA	Thyroid cancer	
	Pharmacogenomics	
Case scenario or DNA	Aminoglycoside ototoxicity	
Case scenario or DNA	Dihydropyrimidine dehydrogenase (DPYD)	
	Preimplantation Genetic Testing	
DNA and cells	Preimplantation genetic testing for Monogenic disorders (PGT-M)	
Images	Preimplantation genetic testing of Blastomere (FISH)	
DNA	Preimplantation genetic testing for structural rearrangements (PGT-SR)	
DNA	Preimplantation genetic testing for aneuploidies (PGT-A)	

Materials/Products	Scheme Name/Type of Test/Properties Measured	Scheme Protocols/Procedures/ Techniques Used
		All protocols available through www.genqa.org
	Haematological Neoplasms	
Images or DNA	Acute Lymphoblastic Leukaemia (ALL)	
Images and fixed cell suspensions or DNA	Chronic Lymphocytic Leukaemia (CLL)	
DNA and lyophilized cells	Chronic Lymphocytic Leukaemia - IGHV	
DNA and lyophilized cells	Chronic Lymphocytic Leukaemia-TP53	
Fixed cell suspensions	Haematological Technical FISH	
Images and fixed cell suspensions FFPE	Lymphoma	
Images or DNA	Myeloid disorders	
Images, fixed cell suspensions or DNA	Myeloma	
	Reproductive Genomics	
Case scenario or DNA	Maternal cell contamination and fetal sexing	
Case scenario or DNA	Trio Sequencing - prenatal	
Plasma/artificial plasma	Non Invasive Prenatal Testing (NIPT) for common aneuploidies	
Plasma/artificial plasma	Non Invasive Prenatal Testing (NIPT) for common microdeletions	
Plasma/artificial plasma	Non Invasive Prenatal Testing (NIPT) for fetal sexing	
Images and/or DNA	Pregnancy Loss (G-banded and molecular methods)	
DNA	Prenatal Constitutional CNV detection	
Images	Prenatal Karyotyping	
Fixed Cell Suspensions or DNA	Rapid prenatal testing for common aneuploidies	

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Materials/Products	Scheme Name/Type of Test/Properties Measured	Scheme Protocols/Procedures/ Techniques Used
		All protocols available through www.genqa.org
	Clinical Genetics	
Case scenario	Clinical Genetics - Cardiovascular Genetics	
Case scenario	Clinical Genetics - Dysmorphology	
Case scenario	Clinical Genetics - Monogenic disorders	
Case scenario	Clinical Genetics - Oncogenetics	
END		