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 17043:2010

Oxford University Hospitals NHS Foundation Trust, operating GenQA

Issue No: 008 **Issue date:** 04 June 2021

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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** Dr Ros J Hastings Contact details above	Scheme operations Cytogenomics	JRH
GenQA Room 39 G 03 Nuffield Orthopaedic Centre Windmill Road Oxford OX3 7LD	**Local contact** Mrs Bettina Quellhorst-Pawley Email: bettinaqp@genqa.org	QMS operations	NOC
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 17043:2010**	**Schedule of Accreditation** **issued by** **United Kingdom Accreditation Service** 2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK **Oxford University Hospitals NHS Trust, operating GenQA** **Issue No:** 008 **Issue date:** 04 June 2021
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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 Karyoptyping** Cytogenetic analysis of images and interpretation of results		JRH
Online Images	**Recurrent Miscarriage Karyotyping** Cytogenetic analysis of images and interpretation of results		JRH
Online images	**Sex Chromosome Disorders karyotyping**		JRH
Online images	**Pregnancy Loss (G-banded)** Cytogenetic analysis of images and interpretation of results		JRH
Online images	**PGT Blastomere FISH** Analysis of FISH images and interpretation of results		JRH
Online images	**Haemato-Oncology EQAs: Acute Lymphoblastic Leukaemia** Cytogenetic analysis of images and interpretation of results		JRH
Online images and Fixed cell suspensions	**Chronic Lymphocytic Leukaemia** Cytogenetic analysis of images and interpretation of results. Technical ability to obtain a result using FISH, analysis and interpretation of results		JRH / 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 images	**Myeloid Disorders** Cytogenetic analysis of images and interpretation of results		JRH
DNA	**Postnatal Constitutional CNV detection** Technical ability to obtain a result on an array or NGS platform, analysis and interpretation of results		JRH
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		JRH, RIE
FFPE slides	**CNS Tumours** Technical ability to obtain a result using FISH and molecular methods, analysis and interpretation of results		RIE
DNA	**Acquired Array (CLL and MDS)** Technical ability to obtain a result on an array platform, analysis and interpretation of results		RIE
DNA	**Prenatal 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	
DNA	**Pregnancy Loss (Molecular Methods)** (Array/MLPA/PCR/NGS) Technical ability to obtain a result using molecular methods, analysis and interpretation of results		RIE
Fixed Cell Suspensions / online images	**Myeloma** Technical ability to obtain a result using FISH, analysis and interpretation of results Cytogenetic analysis of images and interpretation of results		JRH, 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		JRH, RIE

Materials/Products	Scheme Name/Type of Test/Properties Measured	Scheme Protocols/Procedures/ Techniques Used	Location Code
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 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 Fabrys 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
DNA	Molecular Genetics EQA Schemes (cont'd) **Molecular Genetic Disorders (cont'd)** Fragile X syndrome Fragile X associated tremor ataxia Friedreich ataxia Gaucher disease 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 Paraganglioma (SDHD related) Parkinson disease Pathogenicity of sequence variants POLG mutation testing Prader-Willi syndrome Retinitis pigmentosa Retinopathies Rett syndrome	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	
DNA	**Core molecular diseases (cont'd)** 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	BRCA testing in ovarian cancer - germline		RIE
FFPE	BRCA testing in ovarian cancer - somatic		RIE
DNA	PGT- SR Preimplantation Genetic Testing of Blastomere/Trophectoderm for chromosomal rearrangements by NGS and/or arrays		RIE
DNA	PGT-A Preimplantation Genetic Testing of Trophectoderm and/or Blastomere for aneuploidies by NGS and/or arrays		RIE
DNA	Preimplantation Genetic Testing of Polar Bodies by NGS and/or array		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	
Dried blood spots	**Dried blood spot testing** Cystic fibrosis (genotyping only) Medium chain acyl Co-A dehydrogenase deficiency (genotyping only)		RIE
DNA and lymphocytes	**Pre-implantation genetic testing** Monogenic disorders		RIE
Formalin fixed paraffin embedded (FFPE) tumour section or DNA	**Molecular pathology** Microsatellite instability testing Molecular analysis in colorectal cancer Molecular analysis in gastrointestinal stromal tumours Molecular analysis in lung cancer Molecular analysis in melanoma		RIE
FFPE FFPE FFPE	Mismatch Repair Sarcoma Molecular Tissue Indentification		
Blood FFPE tissue	**DNA extraction schemes** DNA extraction from blood samples DNA extraction from FFPE tissue samples		RIE

END