


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p><b>UKAS</b> PROFICIENCY TESTING</p> <p>4367</p> <p>Accredited to ISO 17043:2010</p>	<p><b>EMQN C.I.C.</b></p> <p><b>Issue No:</b> 012    <b>Issue date:</b> 22 December 2023</p>	
	<p><b>Unit 4,</b> <b>Enterprise House</b> <b>Pencroft Way</b> <b>Manchester Science Park</b> <b>Manchester</b> <b>M15 6SE</b></p>	<p><b>Contact: Dr Simon Patton</b> <b>Tel: +44(0) 161 757 1591</b> <b>E-Mail: office@emqn.org</b> <b>Website: www.emqn.org</b></p>
<p>Proficiency Tests provided from the above address only</p>		

### DETAIL OF ACCREDITATION

Materials/Products	Scheme Name/Type of Test/Properties Measured	Scheme Protocols/Procedures/ Techniques Used
Human DNA (from blood and/or lymphoblastoid cell lines)	<p><b>Genomic and Inherited Disorders EQA Schemes</b> – Genotyping, results interpretation and reporting</p> <p>Note <sup>1</sup>Gene panel scheme (or includes optional gene panel)</p> <p>Autosomal Dominant Polycystic Kidney disease (ADPKD)<sup>1</sup></p> <p>Beckwith-Wiedemann and Silver-Russel syndromes (BWS / SRS)<sup>1</sup></p> <p>Cardiac genetics Arrhythmia (Cardio ARR)<sup>1</sup></p> <p>Cardiac genetics, Hypertrophic Cardio Myopathy (Cardiac HCM)<sup>1</sup></p> <p>Charcot-Marie-Tooth disease (CMT) and Hereditary Neuropathy with liability for Pressure Palsies (HNPP)<sup>1</sup></p> <p>Congenital Adrenal Hyperplasia (CAH)<sup>1</sup></p> <p>Duchenne / Becker Muscular Dystrophy (DMD / BMD)<sup>1</sup></p> <p>Familial hypercholesterolemia (FH)<sup>1</sup></p>	See scheme catalogue available from <a href="http://www.emqn.org">www.emqn.org</a>



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Materials/Products	Scheme Name/Type of Test/Properties Measured	Scheme Protocols/Procedures/ Techniques Used
Human DNA (from blood and/or lymphoblastoid cell lines) (cont'd)	<p><b>Genomic and Inherited Disorders EQA Schemes</b> - Genotyping result interpretation, and reporting (cont'd)</p> <p>Note <sup>1</sup>Gene panel scheme (or includes optional gene panel)</p> <p>Fragile X syndrome (FRAX)</p> <p>Friedreich Ataxia (FRDA)</p> <p>Hereditary Breast and Ovarian Cancer (Panel testing)<sup>1</sup></p> <p>Breast and Ovarian BRCA1/BRCA2 targeted testing only)<sup>1</sup></p> <p>Hereditary Hearing Loss (DFNB1)<sup>1</sup></p> <p>Hereditary Hemochromatosis (HFE)</p> <p>Huntington Disease (HD)</p> <p>Lynch syndrome (HNPCC)<sup>1</sup></p> <p>Mitochondrial DNA disorders (mtDNA)</p> <p>Monogenic Diabetes (MODY)<sup>1</sup></p> <p>Multiple Endocrine Neoplasia (Type 2) (MEN2)</p> <p>Myotonic Dystrophy (DM)</p> <p>Osteogenesis imperfecta (OI)</p> <p>Phenylketonuria (PKU)</p> <p>Polyposis syndromes; Familial adenomatous polyposis (FAP) and MUTYH-associated polyposis (MAP) <sup>1</sup></p> <p>Porphyrias (POR)<sup>1</sup></p>	See scheme catalogue available from <a href="http://www.emqn.org">www.emqn.org</a>



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Human DNA (from blood and/or lymphoblastoid cell lines) (cont'd)	<p><b>Genomic and Inherited Disorders EQA Schemes</b> - Genotyping result interpretation, and reporting (cont'd)</p> <p>Note <sup>1</sup>Gene panel scheme (or includes optional gene panel)</p> <p>Prader-Willi and Angelman syndromes (PWAS)</p> <p>Rare Neurological disease genes (RND) Retinoblastoma (RB)</p> <p><i>RYR1</i> related Myopathies and Malignant Hyperthermia</p> <p>Severe Combined Immunodeficiency (SCID)<sup>1</sup></p> <p>Short stature homeobox genes testing (SHOX)</p> <p>Spinal Muscular Atrophy (SMA)</p> <p>Spinocerebellar Ataxias (SCA)<sup>1</sup></p> <p>Stickler Syndrome (STICKLER)<sup>1</sup></p> <p>Systemic Autoinflammatory Diseases (SAID)<sup>1</sup></p> <p>Von Hippel Lindau syndrome (VHL)</p> <p>Wilson Disease (WIL)</p> <p>Y-Chromosome Microdeletion testing (AZF)</p>	See scheme catalogue available from <a href="http://www.emqn.org">www.emqn.org</a>



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<p>Human DNA (from blood and/or lymphoblastoid cell lines)</p> <p>Formalin fixed, paraffin embedded (FFPE) materials (from solid tissues and /or cell line reference materials)</p>	<p><b>Molecular Pathology schemes -</b> Genotyping and results interpretation and reporting</p> <p>Breast, Ovarian and Pancreatic cancers (PARPi, DNA Germline)</p> <p>Breast Cancer (AKT, Tissue)</p> <p>Colorectal Cancer (COLORECTAL, Tissue)</p> <p>Lung cancer - common biomarkers Lung cancer - new and emerging biomarkers (LUNG NSCLC) Tissue - EMERGING</p> <p>Melanoma (MELANOMA, Tissue)</p> <p>Microsatellite Instability testing (MSI, Tissue)</p> <p>Ovarian and Prostate cancers (PARPi, Tissue)</p>	<p>See scheme catalogue available from <a href="http://www.emqn.org">www.emqn.org</a></p>
<p>Formalin fixed, paraffin embedded (FFPE) materials (from solid tissues and /or cell line reference materials)</p>	<p><b>Molecular Pathology schemes -</b> Genotyping only</p> <p>Oncogene panel testing (ONCOGENE PANEL)</p>	



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Human DNA (from blood and/or lymphoblastoid cell lines)  Artificial plasma	<p><b>Pre and Postnatal EQA schemes</b> - Genotyping, results interpretation and reporting</p> <p>Postnatal constitutional CNV (array CGH/NGS Postnatal CNV)</p> <p>Non-invasive prenatal testing – sex determination (NIPT SEXING)</p> <p>Non-invasive prenatal testing – aneuploidies including the sex chromosomes (NIPT ANEUPLOIDY)</p>	See scheme catalogue available from <a href="http://www.emqn.org">www.emqn.org</a>
Human DNA (from blood and/or lymphoblastoid cell lines)	<p><b>Pharmacogenetic Testing EQA schemes</b> - Genotyping, results interpretation and reporting</p> <p>Pharmacogenetics panel scheme (PHARMACO, Panel)</p>	See scheme catalogue available from <a href="http://www.emqn.org">www.emqn.org</a>
Human DNA (from blood and/or lymphoblastoid cell lines)	<p><b>Technology focussed EQA schemes</b> - Data quality assessment +/- genotyping</p> <p>DNA Sequencing (Sanger Sequencing) (SANGER)</p> <p>DNA Sequencing - NGS germline SNVs and indels (NGS vGERMLINE)</p>	See scheme catalogue available from <a href="http://www.emqn.org">www.emqn.org</a>

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