


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 28984 Accredited to ISO 15189: 2022	Synnovis Analytics LLP	
	Issue No: 006	Issue date: 24 April 2026
	Synnovis Analytics LLP Multi-omic Medicine Service Academic Neuroscience Centre and Institute of Liver Studies King's College Hospital Denmark Hill SE5 9RS	Contact: Elentina Gjoni Tel: +44 (0)20 32992375 E-Mail: Elentina.gjoni@synnovis.co.uk Website: https://www.synnovis.co.uk
Testing performed by the Organisation at the locations specified below		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
Molecular Neuropathology Academic Neuroscience Centre and Institute of Liver Studies King's College Hospital Denmark Hill SE5 9RS	Local contact Elentina Gjoni (contact details above)	Molecular Neuropathology testing including classification of brain tumours MNL
Liver Molecular Genetics Institute of Liver Studies King's College Hospital Denmark Hill SE5 9RS	Local contact Elentina Gjoni (contact details above)	Molecular genetics testing for rare and inherited liver diseases LMG



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
<p>HUMAN TISSUES AND FLUIDS</p> <p>Formalin fixed paraffin embedded (FFPE) and fresh (F) tissue</p>	<p><u>Molecular Genetics activities for the purpose of clinical diagnosis</u></p> <p>DNA/RNA Extraction, quantification and quality check for subsequent in-house analysis (see below)</p> <p>Nucleic Acid quantitation</p>	<p>In house documented methods incorporating manufacturers' instructions as required</p> <p>Automated DNA/RNA extraction using AllPrep Qiagen kit and Qiagen QiaCube, MMS-SOP-1 and MMS-SOP-3</p> <p>Automated DNA extraction using Qiagen EZ1 DNA Tissue Kit and Qiagen EZ1 Advanced XL, MMS-SOP3</p> <p>DNA/RNA quantitation using Qubit dsDNA broad range (BR) Assay Kits; Qubit dsDNA high sensitivity (HS) Assay Kits; Qubit™ RNA Broad Range (BR) Assay Kits And Qubit 2.0 Fluorometer MMS-SOP-5</p>	<p>MNL</p>



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HUMAN TISSUES AND FLUIDS (cont.)	<u>Molecular Genetics activities for the purpose of clinical diagnosis</u>	In house documented methods incorporating manufacturers' instructions as required	
Genomic DNA extracted in house from the sample types listed above	Classification of brain tumours based on methylation status Generation of IDA7 files using iScan onboard software	DNA extraction, using Bisulfite conversion and FFPE restore Methylation array v2 set up using Illumina EPIC array., Applied Biosystems Veriti 96W Thermal Cycler, and Illumina iScan. Hybex macro sampler incubator MMS-SOP-4, MMS-SOP-5, MMS-SOP-6 and MMS-SOP-10 MMS-SOP-14	MNL
Genomic DNA extracted in house from the sample types listed above	Tumour classification MGMT promoter methylation	Heidelberg Classifier software v12.8 locally installed Pyrosequencing using Bisulfite conversion Applied Biosystems Veriti 96W Thermal Cycler, Qubit Fluorometer for DNA quantification, and Qiagen PyroMark Q24 using Therascreen MGMT Pyro kit MMS-SOP-5, MMS-SOP-7, MMS-SOP-9	MNL



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HUMAN TISSUES AND FLUIDS (cont.) Genomic DNA and RNA extracted in-house from sample types listed above	<u>Molecular Genetics activities for the purpose of clinical diagnosis</u> Detection of SNVs, CNVs and structural variants in neurological cancers Somatic Paediatric Neurological Tumours Panel v5.0 Somatic Adult Neurological Tumours Panel v5.0 Germline Neurological Tumours Panel v5.0 RNA Neurological Tumours Panel v5.0	In house documented methods incorporating manufacturers' instructions as required Next generation sequencing using: Qiagen QiaSeq Targeted DNA and RNA multimodal capture, DNA library preparation using Qiaseq multimodal method and Hamilton Microlab Star Liquid Handling Robot, Applied Biosystems Veriti 96W Thermal Cycler, and sequencing using NextSeq2000 Illumina Sequencer SOPs: MMS-SOP-11 Qubit Fluorometer for DNA quantification using MMS-SOP-5 Quantity and Quality assessment using Aligent 4200 TapeStation and MMS-SOP-15 Analysis of next generation sequencing data using Snappy and SQVD interface. Variant scoring and sharing using VASA. MMS-SOP-13.	MNL
Externally generated DNA sequence data	Detection of SNVs, CNVs from tumour germline derived samples	Data analysis, interpretation and reporting of whole genome sequencing data produced by Illumina and Genomics England using GenAsist and MMS-SOP-16	MNL



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HUMAN TISSUES AND FLUIDS (cont.) Genomic DNA Genomic DNA extracted in-house from the sample types listed above or received as primary sample type from an external source	<u>Molecular Genetics activities for the purpose of clinical diagnosis</u> DNA quantification <i>DNA variant detection (substitutions and small indels)</i> <i>Cholestasis (R171)</i> <i>Wilson's Disease (R172)</i> <i>Polycystic liver disease (R173)</i> <i>Pancreatitis (R175)</i> <i>Gilbert Syndrome (R176)</i> <i>Hirschsprung disease (R177)</i> <i>Intestinal failure/Congenital diarrhoea (R331)</i>	Documented in-house methods incorporating manufacturer's instructions (where relevant) NanodropOne for DNA Quantification Analysis of PCR amplified DNA by Sanger sequencing to identify abnormal sequences using PCR Veriti, ABI 3730, TapeStation 4200, Qubit fluorimeter and Illumina MiSeq. Amplicon PCR and agarose gel electrophoresis followed by Sanger sequencing. Using SOP: LP-LMG-SOP-33 LP-LMG-SOP-30 LP-LMG-SOP-32 LP-LMG-SOP-15 LP-LMG-SOP-31 LP-LMG-SOP-34 LP-LMG-SOP-27 LP-LMG-SOP-35 LP-LMG-SOP-23 LP-LMG-SOP-15	LMG



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN TISSUES AND FLUIDS (cont.) Genomic DNA extracted in-house from the sample types listed above or received as primary sample type from an external source	<u>Molecular Genetics activities for the purpose of clinical diagnosis</u> <i>DNA variant detection for clinical indications in the NHSE National Genomic Test Directory for Rare and Inherited diseases:</i> <i>Cholestasis (R171)</i> <i>Wilson's Disease (R172)</i> <i>Polycystic liver disease (R173)</i> <i>Pancreatitis (R175)</i> <i>Gilbert Syndrome (R176)</i> <i>Hirschsprung disease (R177)</i> <i>Intestinal failure/Congenital diarrhoea (R331)</i>	Documented in-house methods incorporating manufacturer's instructions (where relevant) Analysis of PCR amplified DNA by Next Generation Sequencing (NGS) (Automated with manual backup) to identify variant sequences using PCR Veriti, Qubit fluorimeter, TapeStation 4200, Agilent Magnis NGS Prep System and Illumina Miseq and SQVD (bioinformatics) Using SOP: LP-LMG-SOP-23 LP-LMG-SOP-54 LP-LMG-SOP-56 LP-LMG-SOP-55	LMG
DNA extracted from Whole Blood EDTA	APOL1 genotyping	Thermo Fisher TaqMan Assay (using primers developed in house to target area of interest) qPCR using ABI StepOnePlus platform SOP: GEN-KD-LMG-SOP1	LMG
END			