Schedule of Accreditation

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Synnovis Analytics LLP

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Testing performed at the above address only

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN TISSUES AND FLUIDS	Genomic analysis for the purpose of clinical diagnosis of cancer	In house documented methods incorporating manufacturers' instructions as required
Formalin fixed paraffin embedded (FFPE) and fresh frozen (FF) tissue	DNA/RNA Extraction, quantification and quality check for subsequent in-house analysis (see below	Automated DNA/RNA extraction using AllPrep Qiagen kit and Qiagen QiaCube, MMS-SOP-1 and MMS-SOP-3 Automated DNA extraction using Qiagen EZ1 DNA Tissue Kit and Qiagen EZ1 Advanced XL, MMS-SOP3
	Nucleic Acid quantitation	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

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN TISSUES AND FLUIDS (cont.)	Genomic analysis for the purpose of clinical diagnosis of rare disease and cancer	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: Gliomas	DNA extraction for FFPE, using Bisulfite conversion and FFPE restore Methylation array set up using Illumina EPIC array, generation of a methylation profile using Applied Biosystems Veriti 96W Thermal Cycler, Qubit Fluorometer and Illumina iScan. Generation of methylation profiles using GenAsist MMS-SOP-4, MMS-SOP-5, MMS-SOP-6 and MMS-SOP-10 MMS-SOP-14 Heidelberg Classifier software v12.5 accessed via molecularneuropathology.org/mnp/
Genomic DNA extracted in house from the sample types listed above	MGMT promoter methylation	Pyrosequencing using Bisulfite conversion and FFPE restore, 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

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN TISSUES AND FLUIDS (cont.)	<u>Genomic analysis for the purpose of clinical diagnosis of rare disease and cancer</u>	In house documented methods incorporating manufacturers' instructions as required
Genomic DNA and RNA extracted in-house from sample types listed above	Gene screening for targeted neurological cancer gene panels: 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	Next generation sequencing of target cancer panels using Qiagen QiaSeq Targeted DNA and RNA panels, DNA library preparation using Qiaseq multimodal method and Hamilton Microlab Star Liquid Handling Robot, Applied Biosystems Veriti 96W Thermal Cycler, and 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 Next generation sequencing data analysis using Snappy pipeline with data displayed in variant database SQVD. Variant scoring and sharing using VASA. MMS-SOP-13.
Externally generated DNA sequence data	Data analysis and interpretation of whole genome sequencing	Analysis, interpretation and reporting of whole genome sequencing data produced by Illumina and Genomics England using GenAsist and MMS-SOP-16
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