Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Queen's University Belfast

Issue No: 002   **Issue date:** 28 February 2025

UKAS MEDICAL

20634

Accredited to ISO 15189:2022

Precision Medicine Centre Patrick G Johnston Centre for Cancer Research Queen's University Belfast 97 Lisburn Road BT9 7AE United Kingdom	Contact: David Gonzalez de Castro Tel: +44 (0)2890972293 E-Mail: pmc@qub.ac.uk Website: www.qub.ac.uk/reseach-centres/PMC/

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 BODY TISSUE	<u>Histological processing and testing for the purposes of clinical diagnosis</u>	In-house documented procedures based on equipment manuals as relevant
Formalin Fixed Paraffin Embedded Tissue	Sectioning of FFPE Blocks, Dehydration Clearing and Mounting of FFPE slides	Sectioning of FFPE blocks using a microtome PMC-SOP-41 Sakura Tissue-Tek Prisma autostainer and Tissue-Tek film coverslipper PMC-SOP-44
Formalin Fixed Paraffin Embedded Tissue	Haematoxylin and Eosin staining of FFPE slides	Sakura Tissue-Tek Prisma autostainer and Tissue-Tek film coverslipper PMC-SOP-43
Formalin Fixed Paraffin Embedded Tissue	Immunohistochemistry PDL1 SP263 IHC of FFPE	Ventana Benchmark Ultra PMC-SOP-126
HUMAN BODY FLUIDS	<u>Genomics analysis for the purposes of clinical diagnosis</u>	In-house documented procedures based on equipment manuals as relevant
Formalin Fixed Paraffin Embedded Tissue	Tumour Annotation	Assessment of Tumour Content and Cellularity in H&E stained FFPE sections PMC-SOP-15
Formalin Fixed Paraffin Embedded Tissue	Nucleic Acid Extraction	DNA Extraction from FFPE using Promega Maxwell 16 FFPE Plus LEV kit PMC-SOP-11

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS (cont'd)	<u>Genomics analysis for the purposes of clinical diagnosis</u> (cont'd)	In-house documented procedures based on equipment manuals as relevant
Nucleic Acids from Various Samples	Quantification of Nucleic Acids	Concentration Measurement of dsDNA using Qubit dsDNA and dsDNA BR Assay Kits PMC-SOP-14
Nucleic Acids from Various Samples	Quality Assessment of Nucleic Acids, PCR Products, and NGS Libraries	Quality Assessment of DNA using ScreenTape Assays and Agilent 4200 TapeStation Instrument PMC-SOP-27
DNA Extracted from Various Samples	Genomic DNA Purification and Concentration	DNA Purification using KAPA Pure/Ampure XP Beads PMC-SOP-68
DNA Extracted from Various Samples	Preparation of Indexed, Paired End Libraries for Targeted Enrichment using Customer Capture Gene Panels and Cluster Generation	Targeted Sequencing with KAPA HyperCap v3 and Target Enrichment Probes (Manual) PMC-SOP-74
NGS Library Preparations using NGS Custom Capture Gene Panel	NGS Sequence Analysis for the Detection of PanCancer Genes (Presence of Mutations, Insertions, Deletions, CNV, SNV, Fusion Genes)	Sequencing on the NextSeq 500 (PMC-SOP-69), NovaSeq 6000 (PMC-SOP-56)
Sequence Data	Bioinformatic Analysis	PanCancer Workflow Package for Analysis of Targeted Sequencing Data PMC-SOP-108
Outputs from the Bioinformatics Pipeline	Analysis and Reporting of Next Generation Sequencing Data using the PanCancer Panel	Analysis and Reporting of Next Generation Sequencing Data using the PanCancer Panel PMC-SOP-107
Output from the Bioinformatics Pipeline	Manual Analysis of Next Generation Sequencing Data Using Integrative Genomics Viewer	Manual Analysis of Next Generation Sequencing Data Using Integrative Genomics Viewer PMC-SOP-79
END		