


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS MEDICAL 29861</p> <p>Accredited to ISO 15189: 2022</p>	<p>University of Cambridge – Cancer Molecular Diagnostics Laboratory</p> <p>Issue No: 002 Issue date: 21 April 2026</p>	
	<p>University of Cambridge Strangeways Research Laboratory 2 Worts' Causeway Cambridge CB1 8RN</p>	<p>Contact: Dr Shubha Anand Tel: +44 (0)1223 762045 E-Mail: sa263@medschl.cam.ac.uk Website: https://crukcambridgecentre.org.uk/research/strategic/cancer-molecular-diagnostics-lab</p>
<p>Testing performed at the above address only</p>		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>HUMAN TISSUE AND FLUIDS</p> <p>Urine, Formalin fixed paraffin embedded (FFPE) slides & curls, Fresh frozen tissue, Whole Blood, Buffy coat, Granulocytes, Plasma, Serum</p> <p>Urine, Formalin fixed paraffin embedded (FFPE) slides & curls, Fresh frozen tissue, Whole Blood, Buffy coat, Granulocytes, Plasma, Serum</p>	<p><u>Molecular genetic examinations for the purposes of clinical diagnosis</u></p> <p>Sample preparation</p> <p>Cell counting and viability measurements</p> <p>Automated nucleic acid extraction</p>	<p>Documented in house procedures incorporating manufacturer's instructions (where relevant)</p> <p>Sample processing – whole blood, plasma, buffy coat and urine CM_SP_SOP_2</p> <p>Peripheral Blood Mononuclear Cell Isolation CM_SP_SOP_3</p> <p>Granulocyte isolation CM_SP_SOP_6</p> <p>Luna FL Cell counter CM_AN_SOP_3</p> <p>Automated extraction using the Maxwell RSC 48 CM_EX_SOP_5</p> <p>Maxwell RSC ccfDNA LV plasma and plasma kits CM_EX_SOP_6</p>



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<p>HUMAN TISSUE AND FLUIDS (cont'd)</p> <p>Urine, Formalin fixed paraffin embedded (FFPE) slides & curls, Fresh frozen tissue, Whole Blood, Buffy coat, Granulocytes, Plasma, Serum</p> <p>Urine, Formalin fixed paraffin embedded (FFPE) slides & curls, Fresh frozen tissue, Whole Blood, Buffy coat, Granulocytes, Plasma, Serum</p> <p>DNA and RNA extracted from primary samples</p>	<p><u>Molecular genetic examinations for the purposes of clinical diagnosis</u> (cont'd)</p> <p>Manual nucleic acid extraction</p> <p>Nucleic acid analysis – Quantification of DNA, cfDNA and RNA</p> <p>Quality assessment of DNA, cfDNA and RNA</p>	<p>Documented in house procedures incorporating manufacturer's instructions (where relevant)</p> <p>DNA and RNA Extraction from fresh frozen tissue using AllPrep DNA/RNA Mini kit CM_EX_SOP_4</p> <p>DNA extraction from Formalin fixed paraffin embedded (FFPE) slides & curls CM_EX_SOP_2</p> <p>Qubit 3.0 Fluorometer (quantification) Qubit dsDNA BR Assay kit Qubit dsDNA HS Assay kit Qubit RNA BR Assay kit Qubit RNA HS Assay kit CM_AN_SOP_1 CM_AN_SOP_7 CM_AN_SOP_9 CM_AN_SOP_10 CM_AN_SOP_11 CM_AN_SOP_12</p> <p>4200 TapeStation Agilent RNA Screen Tape Assay Agilent Cell-free DNA ScreenTape CM_AN_SOP_2 CM_AN_SOP_6</p>



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HUMAN TISSUE AND FLUIDS (cont'd)	<u>Molecular genetic examinations for the purposes of clinical diagnosis</u> (cont'd)	Documented in house procedures incorporating manufacturer's instructions (where relevant)
DNA and RNA extracted from primary samples	Sequencing Library Preparation	Library preparation for gene panel sequencing using NGS Library Preparation using Watchmaker DNA sequencing kit CM_SQ_SOP_8
		NGS Library Preparation using Watchmaker Enzymatic fragmentation kit CM_SQ_SOP_6
		TWIST library preparation kits and IDT Xgen UDI-UMI adaptors CM_SQ_SOP_7
FastQ raw read datafiles from external laboratory	<u>Bioinformatics for the purposes of clinical diagnosis</u>	Documented in house procedures
	Genomic analysis for the purpose of detecting cancer	In-house custom pipeline (IMP) capture-based panel and sWGS CM_PA_SOP_5
	Detection of INDELS, duplications, frameshift, SNVs and CNVs	Sequencing tertiary data analysis and reporting CM_PA_SOP-6
		NGS Data Processing on University HPC CM_PA_SOP_8
END		