


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p><b>UKAS</b> MEDICAL 10742</p> <p>Accredited to ISO 15189:2022</p>	<p align="center"><b>UK Health Security Agency, an Executive Agency of the Department of Health and Social Care</b></p> <p align="center">Issue No: 004    Issue date: 09 August 2024</p>	
	<p>Department of Bioinformatics 61 Colindale Avenue London NW9 5EQ</p>	<p>Contact: Chloe Bishop Tel: +44 (0) 20 7654 8000 E-Mail: <a href="mailto:chloe.bishop@ukhsa.gov.uk">chloe.bishop@ukhsa.gov.uk</a> Website: <a href="https://www.gov.uk/government/organisations/uk-health-security-agency">https://www.gov.uk/government/organisations/uk-health-security-agency</a></p>
<p><b>Testing performed at the above address only</b></p>		

### DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN FLUIDS AND TISSUES	<p><u>Bioinformatics examinations to support the purposes of clinical diagnosis</u></p> <p>Data pre-processing, quality trimming and ID confirmation.</p>	<p>Mapping of NGS sequences to reference gene sets using standard methods and in-house algorithms.</p> <p>Data processing using Trimmomatic software and in house kmer-based speciation tool.</p>
Microbial DNA sequences	<p>Determination of MLST</p> <p>Molecular serotyping of S. pneumoniae</p> <p>Identification of monophasic Salmonella typhi</p> <p>Anti-microbial resistance inference</p> <p>STx prediction (E.coli)</p> <p>Eburst group determination (salmonella, S. aureus)</p> <p>Identification of Mycobacteria spp.</p> <p>TB anti mycobacterial resistance prediction</p> <p>Relatedness of TB sequences</p>	



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN FLUIDS AND TISSUES (cont'd)	<u>Bioinformatics examinations to support the purposes of clinical diagnosis</u> (cont'd)	Mapping of NGS sequences to reference gene sets using standard methods and in-house algorithms.
Microbial DNA sequences (cont'd)	Data pre-processing, quality trimming and ID confirmation. (cont'd)  Relatedness of strains by genome comparison. S. enterica E.coli S. aureus	Data processing using Trimmomatic software and in house kmer-based speciation tool.
END		