


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p><b>9148</b></p> <p><b>Accredited to ISO 15189:2022</b></p>	<p align="center"><b>London School of Hygiene and Tropical Medicine</b></p> <p align="center"><b>Issue No: 004    Issue date: 28 February 2025</b></p>	
	<p><b>Malaria Reference Laboratory and Diagnostic Parasitology Laboratory</b></p> <p><b>Faculty of Infectious &amp; Tropical Diseases</b></p> <p><b>London School of Hygiene and Tropical Medicine</b></p> <p><b>Keppel Street</b></p> <p><b>London</b></p> <p><b>WC1E 7HT</b></p>	<p><b>Contact: Dawn Britten</b></p> <p><b>Tel: +44 (0)207 927 2427</b></p> <p><b>Fax: +44 (0)207 637 0248</b></p> <p><b>E-Mail: dawn.britten@lshtm.ac.uk</b></p> <p><b>Website: www.parasitology-reference lab.co.uk</b> <b>www.malaria-reference.co.uk</b></p>
<p align="center"><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
<p><b>HUMAN BODY FLUIDS</b></p> <p>Faeces</p> <p>Whole Blood (EDTA) &amp; thin and thick films</p> <p>Faeces</p> <p>Faeces</p> <p>Faeces</p> <p>Faeces</p> <p>Faeces, Worms and segments</p>	<p><u>Parasitology examination activities for the purposes of clinical diagnosis</u></p> <p>Microscopic detection and identification of faecal ova cysts and parasites</p> <p>Microscopic detection and identification of malarial parasites and Babesia spp</p> <p>Microscopic detection and identification of microsporidial spores</p> <p>Microscopic detection and identification of coccidian oocysts</p> <p>Microscopic detection of oocysts of Cryptosporidium spp.</p> <p>Microscopic detection and identification of amoebic trophozoites</p> <p>Macroscopic and microscopic detection and identification of adult worms, larvae and segments</p>	<p>In house documented staining methods and microscopy as specified:</p> <p>M4 Modified Ridley formol ether concentration</p> <p>M1 Thick and thin blood films using Giemsa and Fields stains</p> <p>M5 Strong trichrome stain</p> <p>M6 Modified Ziehl Neelsen stain</p> <p>M7 Phenol Auramine stain/ fluorescence</p> <p>M9 Iron haematoxylin stain</p> <p>M14</p>



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<b>HUMAN BODY FLUIDS (cont'd)</b>	<u>Parasitology examination activities for the purposes of clinical diagnosis (cont'd)</u>	In house documented staining methods and microscopy as specified:
Urine	Microscopic detection and identification of ova of Schistosoma spp.	M19 Filtration and concentration
Whole Blood (EDTA) & thick blood films	Microscopic detection and identification of microfilariae	M20 Filtration and concentration & Giemsa stain
Body fluids (Fresh faeces, liver pus and sigmoidoscopy samples)	Microscopic detection of haematophagous trophozoites of Entamoeba histolytica	M21 Direct microscopy of unstained wet preparations
Bone Marrow and Tissue smears	Microscopic detection of Leishmania spp.	M23 Giemsa stain
Whole Blood (EDTA) & thin and thick films	Microscopic detection of African Trypanosomes	M24 Giemsa and Field's stains
Corneal scrape Corneal biopsy Corneal epithelium biopsy Corneal swab Vitreous fluids Contact lens and fluid (associated with used lenses)	Identification of Acanthamoeba spp.	M10 Culture on Page's agar and microscopy
Faeces	Identification of intestinal amoebae	M8 Culture on Robinson's medium and microscopy
Faeces & duodenal aspirates	Identification of Strongyloides spp.	M40 Culture on Nutrient agar and microscopy
Whole Blood (EDTA)	Detection of HRP2 and pan specific LDH antigens of Plasmodium spp: P. falciparum P. vivax P. malariae P. ovale	Manufacturer's instructions for Carestart Malaria Rapydtest in conjunction with in house documented method: M43
Faeces	Detection of antigens of Cryptosporidium parvum and Giardia intestinalis	Manufacturer's instructions for ImmunoCard STAT Crypto/Giardia rapid test in conjunction with in house documented method:  M29



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HUMAN BODY FLUIDS (cont'd)	<u>Parasitology examination activities for the purposes of clinical diagnosis</u> (cont'd)	In house documented staining methods and microscopy as specified:
Faeces	Detection of adhesin antigen of <i>Entamoeba histolytica</i>	Manufacturer's instructions for Techlab E. histolytica II ELISA in conjunction with in house documented method: M26
Specimens not included in other SOPs: Sellotape slides/perianal swabs, tissues, biopsies, hydatid cyst, pus, bile, duodenal and jejunal aspirates, sputum, bronchoalveolar lavage	Microscopic detection of parasites	Investigation of specimens other than blood for parasites, according to UK SMI BSOP 31 M22
Whole Blood (EDTA)	Detection and speciation of <i>Plasmodium</i> DNA	Manufacturer's instructions for Thermohybrid PXE thermocycler and BIORAD Tetrad PCR platform by nested PCR in conjunction with in house documented method: M31, M32, M33
Whole Blood (EDTA)	Detection and speciation of <i>Plasmodium</i> DNA	Manufacturer's instructions for Qiagen Rotorgene Q & Biomolecular Systems MIC platforms normalised fluorescence/ Ct by qPCR in conjunction with in house documented method: M31, M39
Whole Blood (EDTA)	Detection of <i>Trypanosoma cruzi</i> DNA	Manufacturer's instructions for Qiagen Rotorgene Q & Biomolecular Systems MIC platforms normalised fluorescence/ Ct by qPCR in conjunction with in house documented method: M37, M42
Corneal scrape Corneal biopsy Corneal epithelium biopsy Corneal swab Vitreous fluids Contact lens fluid (associated with used lenses)	Detection of <i>Acanthamoeba</i> species DNA	Manufacturer's instructions for Rotorgene Q & Biomolecular Systems MIC platforms normalised fluorescence/ Ct by qPCR in conjunction with in house documented method: M51



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HUMAN BODY FLUIDS (cont'd)  Whole Blood (EDTA)	<u>Parasitology examination activities for the purposes of clinical diagnosis</u> (cont'd)  Detection of <i>Plasmodium</i> spp. DNA	In house documented staining methods and microscopy as specified:  Manufacturer's instructions for Alethia Illumigene malaria Loop mediated isothermal DNA amplification and real time turbidimetry in conjunction with in house documented method. M55
END		