

Schedule of Accreditation

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United Kingdom Accreditation Service

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



Accredited to
ISO 15189:2012

Liverpool School of Tropical Medicine

Issue No: 001 Issue date: 02 May 2017

Clinical Diagnostic Parasitology
Laboratory

Liverpool School of Tropical
Medicine

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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	<u>Parasitology examination activities for the purpose of clinical diagnosis</u>	Documented in house methods and manufacturer's instructions for:
Blood and user made films	Detection and identification of blood-borne parasites: <i>Plasmodium falciparum, Plasmodium vivax, Plasmodium ovale, Plasmodium malariae, Plasmodium knowlesi, Wuchereria bancrofti, Brugia malayi, Loa loa, Mansonella perstans, Trypanosoma brucei rhodesiense, Trypanosoma brucei gambiense, Trypanosoma cruzi, Leishmania donovani, Babesia species and Borrelia species.</i>	Manual microscopy of thick and thin blood films using Fields stain A & B and Giemsa. % Parasitaemia calculated on identification of <i>Plasmodium falciparum</i> TECH-SOP-01
Blood	Detection and identification of blood-borne parasites: <i>Wuchereria bancrofti, Brugia malayi, Loa loa and Mansonella perstans</i>	Filtration concentration method and manual microscopy using Fields stain A & B, Giemsa and Haematoxylin staining TECH-SOP-02
Faeces	Detection and identification of enteric parasites: <i>Entamoeba histolytica / dispar, Entamoeba hartmanni, Entamoeba coli, Iodamoeba butschlii, Endolimax nana, Giardia intestinalis (lamblia), Chilomastix mesnillii, Blastocystis hominis, Balantidium coli, Retortamonas intestinalis, Trichomonas hominis, Isospora belli, Cyclospora cayetanensis</i>	Direct manual microscopy and concentration microscopy examination using Iodine staining TECH-SOP-04



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HUMAN TISSUES AND FLUIDS (cont'd)	<u>Parasitology examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented in house methods and manufacturer's instructions for:
Faeces	Detection and identification of enteric parasites: <i>Ascaris lumbricoides, Ancylostoma duodenale, Necator americanus, Trichuris trichiura, Enterobius vermicularis, Strongyloides species, Trichostrongylus, Schistosoma mansoni, Schistosoma japonicum, Fasciola hepatica, Clonorchis sinensis, Opisthorchis felinus, Heterophyes heterophyes, Metagonimus yokogawai, Fasciola buskii, Paragonimus weternanni, Taenia species, Diphyllbothrium latum, Hymenolepis nana and Hymenolepis diminuta</i>	Direct manual microscopy and concentration microscopy examination. TECH-SOP-04
Faeces	Detection and identification of enteric parasites: <i>Ancylostoma duodenale, Necator americanus, Strongyloides stercoralis and Strongyloides fülleborni.</i>	Stool charcoal culture microscopy TECH-SOP-05
Faeces	Detection and identification of enteric parasites: <i>Cryptosporidium species, Cyclospora cayetanensis and Isospora belli.</i>	Ziehl-Neelsen stain manual microscopy TECH-SOP-06
Peri-anal swab, peri-anal fluid and peri-anal clear adhesive tape slides	Detection and identification of enteric parasite <i>Enterobius vermicularis.</i>	Manual microscopy TECH-SOP-09



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HUMAN TISSUES AND FLUIDS (cont'd)	<u>Parasitology examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented in house methods and manufacturer's instructions for:
Urine	Screen for ureteric parasites: <i>Schistosoma haematobium</i> , <i>Schistosoma japonicum</i> , <i>Schistosoma mansoni</i> , <i>Strongyloides</i> species, <i>Enterobius vermicularis</i> and <i>Trichomonas vaginalis</i> .	Direct manual microscopy plus analyte dipstick TECH-SOP-10
Urine and/or Semen	Detection and identification of: <i>Schistosoma haematobium</i> , <i>Schistosoma japonicum</i> and <i>Schistosoma mansoni</i>	Urine filtration and manual microscopy, semen centrifugation and manual microscopy TECH-SOP-11
Cyst Fluid	Detection and identification of: <i>Entamoeba histolytica</i> and <i>Echinococcus granulosus</i>	Centrifugation and manual microscopy TECH-SOP-13
Skin Snips	Detection and identification of: <i>Onchocerca volvulus</i>	Incubation and manual microscopy TECH-SOP-16
Skin Biopsy - impression smears, blood and / or bone marrow	Detection and identification of: <i>Leishmania</i> species.	Manual microscopy using Giemsa stain TECH-SOP-20
Serum	Detection of <i>Schistosoma mansoni</i> IgG antibodies	Commercial ELISA kit DRG <i>Schistosoma</i> IgG ELISA TECH-SOP-23
Serum	Detection of <i>Strongyloides</i> species IgG antibodies	Commercial ELISA kit DRG <i>Strongyloides</i> IgG ELISA TECH-SOP-24
Serum	Detection of <i>Echinococcus granulosus</i> IgG antibodies	Commercial ELISA kit DRG <i>Echinococcus</i> IgG ELISA TECH-SOP-25
Serum	Detection of <i>Acanthocheilonema viteae</i> (Filaria) IgG antibodies	Commercial ELISA kit Bordier affinity Filaria IgG ELISA TECH-SOP-26



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HUMAN TISSUES AND FLUIDS (cont'd)	<u>Parasitology examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented in house methods and manufacturer's instructions for:
Serum	Detection of <i>Fasciola</i> species IgG antibodies	Commercial ELISA kit DRG <i>Fasciola</i> IgG ELISA. TECH-SOP-27
Serum	Detection of <i>Entamoeba histolytica</i> IgG antibodies	In-House IFA TECH-SOP-28
Serum	Detection of <i>Entamoeba histolytica</i> antibodies	Commercial Latex test Firefly scientific ELITex Bicolor Amoeba kit TECH-SOP-33
Serum	Detection of <i>Echinococcus granulosus</i> antibodies	Commercial IHA Haemagglutination assay Firefly scientific ELI.H.A <i>Echinococcus</i> TECH-SOP-34
Serum	Detection of <i>Trypanosoma cruzi</i> antibodies	Commercial test INBIOS trypanosoma cassette- based antibody test TECH-SOP-36
Blood	Detection of malaria antigens: Pan <i>Plasmodium</i> pLDH antigen and <i>Plasmodium falciparum</i> HRPII antigen.	Commercial test HUMASIS Pf/Pan malaria cassette- based antigen test TECH-SOP-37
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