

Medical Research Institute, Colombo, Sri Lanka	Subject title: List of Examinations	Version 3
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Clinical Bacteriology	Approved by: Dr Lilani Karunanayake	Date of issue: 04.05.2023

Accredited Microbiology Examinations in Clinical Bacteriology
Head of Laboratory
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- Blood for culture for aerobic bacteria
- Blood for culture in the diagnosis of brucellosis
- Blood for *Leptospira* culture
- CSF culture
- Urine culture
- Wound swab / pus / discharge/ tissues for culture
- Sputum culture
- Endo-tracheal secretions / BAL culture
- Ear, nasal, throat culture
- CVP tip culture
- Peritoneal, plural fluids culture
- Nasopharyngeal aspiration for the diagnosis of whooping cough
- Bacterial antigen detection test in CSF
- *Mycoplasma* antibody detection test
- Microscopic Agglutination Test (MAT) for *Leptospira*
- MRSA screening
- Identification of bacterial isolates and their antibiotic resistance from clinical samples by automation and/or molecular biology method

Antibiotic Susceptibility Test (CLSI method)

- Automated antibiotic susceptibility system (BD[®] Phoenix)
- Disk diffusion
- Broth dilution methods

Molecular Biology tests by real time PCR

- pathogenic *Leptospira* DNA detection (blood / serum / urine/CSF)
- *Streptococcus pneumoniae*
- *Neisseria meningitidis*
- *H. influenzae*
- *Bordetella pertussis* and *B. parapertusis*
- *Brucella spp*
- PVL gene detection (isolate)
- MRSA (isolate)
- Antibiotic resistant genes – carbapenemases (IMP, VIM, KPC, NDM), ESBL (CTX-M-15, CTX-M-14, OXA-48), AmpC (CMY-2, DHA)