

 Medical Research Institute	Subject Title: Specimen collection and transport for DNA-based tests	Version 1.1
	Clinical Microbiology & molecular biology Laboratory	Prepared by Dr. Lilani Karunanayake

### Specimen collection and transport for DNA-based tests done at Clinical Bacteriology and Molecular Biology Laboratory Medical Research Institute, Colombo

Description of the test	Sample type	Best time of collection	Transport	Turn-around time	Other tests available
Detection of <i>Bordetella pertussis</i> and <i>B. parapertussis</i>	Per nasal swab (dry), nasopharyngeal aspirate (NPA) and swab	Within 3 weeks of illness	Cool, dry box Room temperature	48 hours	Culture
Detection of <i>Streptococcus pneumoniae</i> , <i>Neisseria meningitidis</i> and <i>H. influenzae</i>	Blood, sterile fluids, pus, clinical isolate, swabs	Early illness within 1 week	Cool, dry box preferable Room temperature	48 hours	Culture, antigen detection
Detection of <i>Brucella sp.</i>	CSF, blood, serum	Early illness within 2 weeks	Cool, dry box Room temperature	48 hours	Culture
Detection of <i>Rickettsiae sp</i>	CSF, fresh blood, eschar fluid / swab	Early illness	Inform Laboratory and fix a date	24 hours	Serology
Detection of pathogenic <i>Leptospira spp.</i>	CSF, serum, clotted blood, urine	Early illness CSF within 10 days blood and urine within 1 week	Cool, dry box [urine - send in +4°C immediately]	48 hours	Culture, MAT, ELISA
Detection of antibiotic resistant genes	Clinical isolates in screw capped container	-	Room temperature in screw capped containers	-	-
Detection of PVL gene, MRSA	Isolate in screw capped container	-	Room temperature	-	-
Detection of <i>Legionella pneumophila</i>	Blood, sterile fluids, isolates	Early illness	Cool, dry box	48 hours	Urine antigen detection, culture

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