

 Medical Research Institute	Subject Title: Specimen collection and transport for DNA-based tests	CB/QSE7/Ap013 Version 2.0
	Prepared by Dr. Lilani Karunanayake	Date of issue: 12.12.2022 Date of Annual review: 12.12.2023
Clinical Bacteriology & molecular biology Laboratory		

Specimen collection and transport for DNA-based tests

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), NP swab, throat swab (posterior nasopharynx)	Within 3-4 weeks of illness	Cool, dry box Room temperature	48 hours	-
Detection of <i>Streptococcus pneumoniae</i>	Blood, serum, CSF, sterile fluids, pus, isolate, swabs	Early illness within 1 week	Cool, dry box Room temperature	48 hours	Culture, latex agglutination for antigen
Detection of <i>Neisseria meningitidis</i>	Blood, serum, CSF, sterile fluids, skin lesion aspirate, isolate	Early illness within 1 week	Cool, dry box Room temperature	48 hours	Culture, latex agglutination for antigen
Detection of <i>Haemophilus influenzae</i>	Blood, serum, CSF, sterile fluids, pus, isolate, swabs	Early illness within 1 week	Cool, dry box Room temperature	48 hours	Culture, latex agglutination for antigen
Detection of <i>Brucella sp.</i>	CSF, blood, serum	Early illness within 2 weeks	Cool, dry box Room temperature	48 hours	Culture
Detection of pathogenic <i>Leptospira spp.</i>	CSF, blood, serum, urine, isolates	Early illness CSF within 10 days Blood within 1 week	Cool, dry box / Room temperature	48 hours	Culture, MAT

For E mail reporting, please send an Email address of a responsible person.

For further information, please contact:

Dr. Lilani Karunanayake
Consultant Clinical Microbiologist
Head / Department of Bacteriology
Medical Research Institute

Ms. K.D.N. Gunawardene
Senior Medical Laboratory Technologist
Clinical Bacteriology & Molecular Biology Laboratory
Medical Research Institute