Mycoplasma Diagnostic and Research Laboratory (MDRL)

Accession fee - for all out-of-state sample submissions in state/out of state 0/$20

Mycoplasma transport medium – BD/Copan UTM commercial mycoplasma transport medium in screw capped tubes $3.00
BD/Copan regular or mini tipped nylon flocked swabs for PCR (dry) or with UTM $1.00

Mycoplasma culture and isolation from swab or inoculated media $15/22

Mycoplasma culture and isolation from tissue samples (ie. trachea, embryonated egg) $18/26

Fluorescent antibody test (FA) for Mycoplasma species identification $12/17

PCR (non-commercial, conventional/ end-point) - separate tests identify MG, MS, MM, or MI; takes 24-48 hrs. to complete. Samples from dry swab or inoculated UTM transport medium; or tissue/trachea. Samples can be pooled (3 per pool). A mycoplasmas PCR is also available with primers to 16S RNA gene that will amplify DNA from all mycoplasmas. Includes DNA extraction and purification using Qiagen kit. $25/37 swabs $30/40 tissues

Sequencing and Analysis (16S rRNA gene, forward/reverse primers) for Mycoplasma species identification via alignment and assembly of contigs and BLAST search. $33/55

qPCR (IDEXX, NPIP approved, real-time/quantitative) for MG, MS. Usually completed within 24 hrs. Samples from dry swab or inoculated UTM transport medium. Swabs can be pooled (5 per pool, 30 samples per flock recommended for surveillance programs) eg. for both MG & MS, 30 swabs = $300, plus $5/pool for DNA purification = $330). Submit dry, NOT wet (no transport media), swabs, with plastic shafts and flocked nylon tips (polyester is acceptable). DNA extraction and purification by Qiagen kit. $5 per pool

RAPD – ‘DNA fingerprinting’ identifies strains within a Mycoplasma species from individual samples, and takes 48 hrs. to complete. Test samples require previous Mycoplasma sp. isolation and identification, and must be a pure culture (single species). Eleven test samples can be run per gel for strain comparisons. $275/320 per gel

Archived Mycoplasma Cultures – per vial (1-2 ml/cryovial)
Directly from freezer $20/40
Re-grow to expand culture (necessary if quantity not sufficient), includes 1-2 ml expanded product $60/120
DNA extraction, Qiagen (in addition to above) $12/22
Viable count (color changing units by most probable number) $35/70

Shipping & Handling – volumes less than 50 ml Infectious Substance on cold packs or Dry Ice $110.00
Diagnostic/Exempt substances on Dry Ice $80.00
Diagnostic/Exempt substances on cold packs $35.00

Send samples to the address below, Attn. Sile Huyan D-323 please call in advance to schedule services and confirm best sample collection methods

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Prices in effect as of May 01, 2015 (revised 23Apr15)