

Technical Bulletin

Laboratory Care Delivery System

MYCOPLASMA/UREAPLASMA CULTURES TO BE SENT OUT DIRECTLY FROM MEDICAL CENTERS

Effective **June 16, 2021**, **Mycoplasma or Ureaplasma Species Culture [87109B]** will be sent directly from medical center laboratories to Quest Diagnostics.

All acceptable specimen types (i.e., urine, sterile body fluids, respiratory, wound, tissue) must be transferred to VCM transport medium or equivalent (excluding M4RT) prior to shipping to Quest Diagnostics. Respiratory specimens are only acceptable for children <1 year old. Please refer to LabNet for details on specimen requirements and processing.

Specimen stability at refrigeration is 48 hours from time of collection to start of the test. After collection, specimens can be stored refrigerated temporarily, however, **please request Quest courier to transport specimens on dry ice**.

QUESTIONS?

- Client Service Center: 1-888-4LAB NFO, or tie line 8-397-7077
- Jonathan C. Gullett, MD, Physician Director of Microbiology, jonathan.c.gullett@kp.org
- Tam T. Van, PhD, D(ABMM); Technical Director of Microbiology, tam.t.van@kp.org

Technical Bulletin

MYCOPLASMA/UREAPLASMA CULTURES TO BE SENT OUT DIRECTLY FROM MEDICAL CENTERS TO QUEST DIAGNOSTICS

Effective June 16, 2021, Mycoplasma or Ureaplasma Species Culture [87109B]

<p>PREFERRED SPECIMEN: SPECIMEN: Vaginal, urethral, or cervical swab or vaginal secretions MINIMUM VOLUME: 1 swab CONTAINER: UTM transport media, excluding M4RT</p>	<p>ALTERNATIVE SPECIMENS: Urine, sterile body fluids Tissue or wound swab (Min Vol. 1 swab) Respiratory*(sputum, bronchial washings, tracheobronchial secretions, bronchial alveolar lavage (BAL)/Wash) Respiratory*(nasopharyngeal, throat swabs) Min Vol. 1 swab CONTAINER: UTM transport media, excluding M4RT Note: *RESPIRATORY SAMPLES ARE ONLY ACCEPTABLE FOR CHILDREN UNDER 1 YEAR OLD</p>
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<p>Preferred Volume</p> <ul style="list-style-type: none"> •Amniotic fluid: 3 mL •CSF: 3 mL •Tissue: Pea-size sample 	<ul style="list-style-type: none"> •Aspirate: 3 mL •Semen: 3 mL •Urine: 3 mL 	<p>Minimum Test Volume:</p> <ul style="list-style-type: none"> •Amniotic fluid: 1 mL •CSF: 1 mL •Tissue: Pea-size sample 	<ul style="list-style-type: none"> •Aspirate: 1 mL •Semen: 0.5 mL •Urine: 1 mL
<p>Processing Instructions: All samples must be delivered to Microbiology Processing Area (Only CLS/MLT will process samples)</p>			
<p>RESPIRATORY SAMPLES ARE ONLY ACCEPTABLE FOR CHILDREN UNDER 1 YEAR OLD</p>			
<ul style="list-style-type: none"> • Refrigerate specimen on arrival at local laboratory. • All specimens must be sent refrigerated to the 4867 Microbiology Processing Area • Transport to Quest Diagnostics within 24 hours of collection. • Ship on dry ice. 			
<p>SHIPPING INSTRUCTIONS: Request Quest courier to transport specimens on dry ice.</p>			
<p>NOTE: Do not use M4RT; the room temperature formula cannot be used for mycoplasma.</p>			

NOTE:
In-Campus and Outlying MOB's please forward samples to 4867 Microbiology Processing Area

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Pathology & Laboratory Medicine

MYCOPLASMA OR UREAPLASMA SPECIES CULTURE

Technical Bulletins:

[tb8649615_20210616.pdf](#)

[tb8649615_20201030.pdf](#)

Test Information	
Alternative Names:	Culture Mycoplasma Culture Mycoplasma hominis Hominis M. hominis culture &Ureaplasma culture M. hominis culture Myc-Urea Culture Myc-T-strains Mycoplasma culture Mycoplasma hominis culture Mycoplasma and Ureaplasma culture Mycoplasma/Ureaplasma Ureaplasma Ureaplasma Culture
KRMS Procedure Code:	8649615
Health Connect Order Code:	MYCOPLASMA OR UREAPLASMA SPECIES CULTURE [87109B]
CPT Code:	87109
Methodology:	Culture
Performed At:	Quest Diagnostics Infectious Disease, Inc. 33608 Ortega Highway San Juan Capistrano, CA 92675-2042
Testing Schedule:	Monday - Thursday
Turn Around Time:	8 - 9 days
Formulary Status:	*Formulary
Comments:	Indication for culture on Newborns includes perinatal sepsis or respiratory infection.
Specimen Collection Information	
Collection Label Code:	MPH UP RLN
Specimen Requirements:	Quest Diagnostics requirements: PREFERRED SPECIMEN: SPECIMEN: Vaginal, urethral, or cervical swab or vaginal secretions MINIMUM VOLUME: 1 swab CONTAINER: VCM medium (green-cap) tube or equivalent (UTM), excluding M4RT

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	<p><u>ALTERNATIVE SPECIMEN:</u> SPECIMEN: Urine, sterile body fluids, respiratory* (sputum, bronchial washings, tracheobronchial secretions, bronchial alveolar lavage (BAL)/wash, nasopharyngeal, throat swabs), tissue or wound swab MINIMUM VOLUME: 1 swab CONTAINER: VCM medium (green-cap) tube or equivalent (UTM), excluding M4RT *RESPIRATORY SAMPLES ARE ONLY ACCEPTABLE FOR CHILDREN UNDER 1 YEAR OLD</p> <p><u>SPECIMEN STABILITY:</u></p> <p>Room temperature: Unacceptable</p> <p>Refrigerated: 48 hours</p> <p>Frozen: -70° C for 30 days -20° C unacceptable</p> <p>Note: 48-hr specimen stability encompasses time from specimen collection to start of the test. Shipping specimen refrigerated is not recommended due to the limited time frame.</p>
<p>Minimum Test Volume:</p>	<ul style="list-style-type: none"> •Amniotic fluid: 1 mL •Aspirate: 1 mL •CSF: 1 mL •Semen: 0.5 mL •Tissue: Pea-size sample •Urine: 1 mL
<p>Pre-Analytical Handling and Transport</p>	
<p>Processing Instructions:</p>	<ul style="list-style-type: none"> •Urine: Client should centrifuge urine at 3000 rpm for 15 minutes. Suspend sediment in VCM or equivalent transport media. If the specimen is not centrifuged, submit a 1:1 volume of urine in VCM or equivalent transport media. •Submit a 1:1 volume of sterile body fluids, tissue, respiratory (sputum, bronchial washing, tracheobronchial secretions, bronchial alveolar lavage) in VCM or equivalent transport media. <p>RESPIRATORY SAMPLES ARE ONLY ACCEPTABLE FOR CHILDREN UNDER 1 YEAR OLD</p> <ul style="list-style-type: none"> •Refrigerate specimen on arrival at local laboratory. •Transport to Quest Diagnostics on day of collection. •Ship on dry ice. <p>NOTE: Do not use M4RT; the room temperature formula cannot be used for mycoplasma.</p> <p><u>SHIPPING INSTRUCTIONS:</u> Request Quest courier to transport specimens on dry ice.</p>
<p>Transport Temperature:</p>	<p>On dry ice</p>
<p>Specimen Stability Ambient:</p>	<p>NO</p>
<p>Specimen Stability Refrigerated:</p>	<p>48 hours (from time of collection to start of the test)</p>
<p>Specimen Stability</p>	<p>-70° C for 30 days -20° C unacceptable</p>

Frozen:	
Rejection Criteria:	<p>Quest Diagnostics Rejection Criteria:</p> <ul style="list-style-type: none"> • <u>Specimens received refrigerated if close to 48-hour cut-off from time of collection to start of test</u> • Wooden shaft swabs • Cotton swabs • Specimen received in expired transport medium • Tissue specimen in formalin • Urine containing any preservatives • Specimen received in M4RT transport medium • Raw specimens • Specimen collected in molecular transport medium
Result Interpretation and Clinical Significance	
Reference Range:	Not isolated
Clinical Significance:	<ul style="list-style-type: none"> • <i>Mycoplasma hominis</i> and <i>Ureaplasma urealyticum</i> cause infection of the urogenital tract, including pelvic inflammatory disease and nongonococcal urethritis. They can also cause respiratory infection in newborns [neonatal/neonate, baby] and meningitis in premature infants. • Both organisms can be isolated for identification. • Susceptibility testing is available for both organisms.

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Note to Users

*Formulary: Available to order by all providers. Includes all tests in KPHC and some requiring manual requisitions.

**Formulary - restricted: Available to order by certain select providers. Access control will probably require manual requisitions for the foreseeable future.

***Non-formulary: Not Available to order by any provider without review (Department Chief, AAMD). If approved, order will be made through manual requisitions.

Because laboratory medicine is a rapidly changing science, test methods and information may change as knowledge and experience increase. If there are tests which are not present or for which you believe there may be more current information, please contact our consultants through the Client Service Center at 1-888-4LABNFO (818-503-7077, tie line 397).

Browser Disclaimer

Due to the variety of browsers available to the end user, medically significant symbols and/or correct formatting may not be displayed.