

MICROBIOLOGY CULTURE

This service can be used in conjunction with an environmental monitoring (e.g., feed, bedding, water) or animal health surveillance program, and diagnostic evaluation. Live animals, samples (e.g., swabs, transport media), and organisms for identification can be collected at your facility and submitted directly to our laboratory for testing. Matrix-assisted laser desorption/ionization time-of-flight (MALDI-TOF) mass spectrometry analysis is used for efficient and accurate identification of pure single colonies from culture. See below for a list of agents. Once you are ready to submit samples, visit LTM™ to create your order online.

Upper Respiratory Culture	Mouse	Rat	Rabbit	Gerbil	Hamster	Guinea Pig
<i>Bordetella bronchiseptica</i>	•	•	•	•	•	•
<i>Corynebacterium kutscheri</i>	•	•	•	•	•	•
<i>Klebsiella oxytoca</i>	•	•	•	•	•	•
<i>Klebsiella pneumoniae</i>	•	•	•	•	•	•
<i>Pasteurella multocida</i>	•	•	•	•	•	•
<i>Pasteurella pneumotropica</i> (Heyl & Jawetz)	•	•	•	•	•	•
<i>Pseudomonas aeruginosa</i>	•	•	•	•	•	•
<i>Staphylococcus aureus</i>	•	•	•	•	•	•
<i>Streptococcus</i> beta hemolytic	•	•	•	•	•	•
<i>Streptococcus pneumoniae</i>	•	•	•	•	•	•
<i>Streptococcus zooepidemicus</i>						•
<i>Proteus mirabilis</i>	•	•	•	•	•	•
Other bacteria	•	•	•	•	•	•

Gastrointestinal Tract Culture	Mouse	Rat	Rabbit	Gerbil	Hamster	Guinea Pig
<i>Citrobacter rodentium</i>	•					
<i>Klebsiella oxytoca</i>	•	•	•	•	•	•
<i>Klebsiella pneumoniae</i>	•	•	•	•	•	•
<i>Pseudomonas aeruginosa</i>	•	•	•	•	•	•
<i>Salmonella</i>	•	•	•	•	•	•
<i>Campylobacter</i> spp.					•	
<i>Campylobacter coli</i>					•	
<i>Campylobacter jejuni</i>					•	
Other bacteria	•	•	•	•	•	•

Additional Microbiology Services*

Abscess/lesion culture

Aerobic culture

Anaerobic culture

Fungal culture

MALDI-TOF identification

* Euthanasia and collection fees may apply with live animal submissions.

Environmental Monitoring

Microbial/bioburden (count)*

Sterility (+/- determination)*

Water pH

Limulus amebocyte lysate (LAL) assay, non-GXP

* Sample types include water, rodent feed, and rodent bedding. Subculture identification per colony upon request.

Surface Testing

Environmental swab (culture) for rodent pathogens

Surface swab (culture) for relative count
(genus identification)

RODAC® plate count

RODAC® plate count with identification

NOTE: For comprehensive screening of germ-free colonies, please see microbiome services. RODAC® is a registered trademark of Becton, Dickinson and Company.