

BACTERIOLOGY					
MICROBIOLOGY REQUESTED	SPECIES	RECOMMENDED SAMPLES	SHIPPING REQUIRED	SET-UP SCHEDULE	TURN AROUND
Acid-fast stain	any animal species	sterile swabs in transport media, fluids in sterile tubes, tissues in individual sterile bags	refrigerated, leak proof container	M-F	same day as received
Aerobic culture	any animal species	sterile swabs in transport media, fluids in sterile tubes, tissues in individual sterile bags	refrigerated, leak proof container	M-F	48-72 hrs. Fastidious or slow-growing organisms may require longer.
Anaerobic culture	any animal species	anaerobic culturettes, fluids in sterile tubes, tissues in individual sterile bags	refrigerated, leak proof container--OVERNIGHT SERVICE PREFERRED	M-F	72-96 hrs or longer.
Antibiotic susceptibility test	NA	NA	NA	M-F	24 hrs after isolation of pathogen
Blood culture	any animal species	aseptically taken whole blood in commercial blood culture bottle (Columbia Broth preferred)	Leak proof container	M-F	positive results called ASAP-negative cultures held 7 days
Chlamydia ELISA	exotic avian species	choanal swab (dry in sterile tube) agar transport interferes with test	Leak proof container	M-F	same day as received
<i>Clostridium difficile</i> Toxin A and B or <i>Clos. perfringens</i> enterotoxin	any species	5 ml refrigerated feces. If not able to ship overnight, freeze and send to arrive frozen	Leak proof container – Overnight shipping	M-F	same day as received
<i>Clostridium perfringens</i> typing by PCR	any species	5 ml of ileal contents or feces, gut	refrigerated, leak proof container	M-F	Anaerobic culture to isolate <i>Clostridium</i> 2 days. PCR testing – up to a week.
Clostridial FA	bovine, ovine	fresh affected tissue--muscle or liver preferred	refrigerated, leak proof container	M-F	same day as received
Fastidious bacterial culture-- <i>Brucella</i> , <i>Listeria</i>	any animal species	sterile swabs in transport media, fluids in sterile tubes, tissues in individual sterile bags (brainstem for <i>Listeria</i> )	refrigerated, leak proof container--OVERNIGHT SERVICE PREFERRED	M-F	1-2 weeks
Fecal culture – <i>Salmonella</i> routine, <i>Campylobacter</i> added upon request	any animal species	Fresh feces—fecal swabs in Cary-Blair transport media recommended for <i>Campylobacter</i> isolation	Refrigerated, leak proof container	M-F	72-96 hrs
Fungal culture (Dermatophytes and other fungal species)	many animal species	for dermatophytes – fresh plucked hair from the periphery of the lesion; other fungi--sterile swabs in transport media, fluids in sterile tubes, tissues in individual sterile Whirl-Pak type bags	leak proof container	M-F	1-2 weeks or more

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Heartworm exam (Knott's procedure)	canine	2 ml whole blood in EDTA blood tube	refrigerated, leak proof container	M-F	same day as received
Heartworm antigen exam (ELISA procedure)	canine	2 ml whole blood in EDTA or clot tube (serum)	refrigerated, leak proof container	M-F	same day as received
Leptospira FA	many mammals	fresh kidney, fresh urine	refrigerated, leakproof container – OVERNIGHT SERVICE PREFERRED	M-F	same day as received
Microscopic exams (darkfield, KOH ) and Special Stains (Gram's, Gimenez )	any animal species	sterile swabs, fluids in sterile tubes, tissues in individual sterile Whirl-Pak type bags DO NOT SEND IN GLASS SLIDES.	refrigerated, leak proof container	M-F	same day as received
Milk culture (Staph only, mycoplasma, routine and bulk tanks – request must specify)	any animal species	Securely sealed container, preferably 15ml screw-capped tube. (Call lab if >20 samples)	Freeze sample if expect more than 24 hrs in transit. Ship on ice.	M-F	2-3 days Staph. and routine 9 days Mycoplasma
Mite examination	many animal species	deep skin scraping with a sterile scalpel blade sent in Whirl-Pak type bag or sterile tube. No oil please.	no special requirements	M-F	same day as received
Mycoplasma	any animal species	sterile swabs in transport media, fluids in sterile tubes, tissues in individual sterile Whirl-Pak type bags	leak proof container--OVERNIGHT SERVICE PREFERRED	M-F	1 week
Parasitology stains (Cryptosporidium and Giardia fluorescent tests)	many animal species	fresh feces – 1 gram sufficient for either exam	refrigerated, leak proof container. Zippered plastic bag okay.	M-F	same day as received
Rabies examination (See rabies procedure)	many animal species	undamaged animal head or whole bat – call for submission information	refrigerated, leak proof container	M-F	same day as received
Serotyping (K-99, K-88 E.coli) (Salmonella species)	NA	NA	NA	M-F	24 hrs after isolation of pathogen
Trichomonas culture	Bovine	deep preputial scraping using AI pipette, scraping placed in sterile tube with 1 ml lactated Ringer's BETTER--use InPouch7 commercial system. Vaginal mucus possible.	refrigerated, leakproof container with OVERNIGHT SERVICE for scraping or feces--no special transport for InPouch system	M-F	6 days
	Feline	1 g feces			12 days