



## Select List of Tests Performed on Dairy Cattle at CAHFS

Test Name	Specimen Type	Container/ Shipping	Fee (in state)
<b>Bacteriology</b>			
Aerobic culture (abscess, pinkeye, BRD, skin, etc.)	Milk, swab, fluid, tissue	Culturette (at lab in 24 hr. for pinkeye)	15.90
Anaerobic culture panel (fee includes Gram stain)	Tissue, fluid	Sealed, cool (no air)	45.10
Antimicrobial susceptibility testing (Kirby Bauer)	Identified organism		11.20
<i>Clostridium septicum</i> & <i>chauvoei</i> FA (total fee is for both)	Affected muscle	Sealed, cool (no air)	26.40
K99 <i>E. coli</i> antigen ELISA	Feces, 1gm	Cool	10.60
<i>M. paratuberculosis</i> (Johne's disease) PCR	Feces, 10gm	Cool	25.30
Mycoplasma Panel (Myco. sp. & <i>M. bovis</i> PCR and culture on Myco. sp. pos, <i>M. bovis</i> neg, if needed)	Milk, swab, fluid	Cool	25.00
Mycoplasma isolate typing	Isolate	Plate or broth	9.60
Salmonella PCR and/or culture	Feces, tissue, environment	Cool	14.70
Salmonella culture on livestock feed or dairy products/water (non-regulatory)	1liter milk or water, 50gm dry or solid dairy product or feed	Cool	23.70 feed 47.40 dairy
<b>Biotechnology/ Virology</b>			
	( <sup>a</sup> = <b>not cotton type</b> )		
Bluetongue virus PCR (fluids)	1ml whole blood, swab <sup>a</sup> of lesion (not in culturette)	Purple stopper EDTA tube- blood, RTT for swab/ cool	24.80
Bovine coronavirus PCR on feces	Feces, 0.5ml or gm	Cool	25.00
Bovine viral diarrhea PCR (fluid)	1ml whole blood, swab <sup>a</sup> of lesion (not in culturette)	Purple stopper EDTA tube-blood, RTT for swab/ cool	23.70
Bovine viral diarrhea PCR – milk	Bulk tank or individual	Cool	25.00
Bovine viral diarrhea antigen ELISA- ear	Ear notch, 1x1cm	Tube (no fluid), Cool	5.50
Infectious bovine rhinotracheitis (IBR) PCR	Swab <sup>a</sup> (nasal, eye, vagina)	Cool (swab in RTT)	23.70
Respiratory virus PCR panel (IBR, BVD, BRSV, coronavirus)	Nasal swab <sup>a</sup> , lung	Cool	55.00
Rotavirus antigen ELISA	Feces, 1ml or g	Cool	13.20
Calf diarrhea panel (K99 <i>E. coli</i> , Rota, corona, cryptosporidia)	feces, 1ml or gm	Cool	50.00
Calf diarrhea panel ( Rota, corona, cryptosporidia)	feces, 1ml or gm	Cool	40.00
<b>Parasitology</b>			
Cryptosporidia fecal exam (acid fast or ELISA)	Feces, 1ml	Cool	8.80
Fecal exam for fluke eggs	Feces, 5-10gm	Cool	14.30
Fecal exam for lungworm larvae (arrival on Mon-Thurs)	Fresh feces, 15gm	<24 hr old, Refrig	14.30
Fecal exam for coccidia and worm eggs	Feces, 10gm	Cool	10.50
<b>Pathology</b>			
Histopathology (only)	Tissue in formalin	Sealed container	39.50
Necropsy (<3 months old and fetuses) - up to 3 animals for one fee	Carcass or necropsy tissues		120.00
Necropsy (>3 months old) - 1 each	Carcass or necropsy tissues		120.00

<b>Serology</b>			
Abortion antibody panel (IBR, BVD-1, BVD-2, Lepto-5, Brucella, Neospora); with BVDv endpoints fee=41.90	Serum, 2ml	RTT or serum*/cool	31.70
Anaplasma marginale antibody - cELISA	Serum, 1ml	RTT or serum*/cool	9.60
Bluetongue virus (BTV) antibody - cELISA	Serum, 1ml	RTT or serum*/cool	6.80
Bovine herpesvirus -1 (IBR) antibody - SVN	Serum, 1ml	RTT or serum*/cool	9.60
Bovine leukemia virus antibody (BLV) - ELISA***	Serum, 1ml	RTT or serum*/cool	9.60/7.30***
Bovine respiratory syncytial virus (BRSV) antibody IFA	Serum, 1ml	RTT or serum*/cool	8.40
Bovine viral diarrhea virus (BVDv) antibody - SVN (1 or 2)	Serum, 1ml	RTT or serum*/cool	9.60
Bovine viral diarrhea virus (BVDv) - SVN (1 or 2) endpoints	Serum, 1ml	RTT or serum*/cool	14.70
Bovine viral diarrhea - PI antigen ELISA (19.10 1 <sup>st</sup> sample/8.00 each additional sample)	Serum, 1ml	RTT or serum*/cool	19.10 1 <sup>st</sup> / 8.00 addtl
Brucella abortus antibody (BAPA)	Serum, 1ml	RTT or serum*/cool	2.80
Coxiella burnetti (Q fever) antibody ELISA	Serum, 1ml	RTT or serum*/cool	11.00
Leptospira antibody panel with 5 serovars	Serum, 1ml	RTT or serum*/cool	11.60
M. paratuberculosis (Johne's Disease) ELISA***	Serum, 1ml	RTT or serum*/cool	6.10/4.00***
Respiratory antibody panel (IBR, BVDv 1 & 2, BRSV, PI3)	Serum, 2ml	RTT or serum*/cool	31.70
<b>Toxicology</b>			
Ionophore screen (monensin, lasalocid, narasin, salinomycin)	50g feed	Sealed container	75.00
Heavy metals screen (copper, zinc, iron, lead, cadmium, arsenic, mercury, molybdenum, manganese)	10g liver, kidney; 50g feed, feces; 100ml water	Cool or frozen	32.00
Lead - blood	EDTA blood- 1ml	Cool (not frozen)	40.00
Nitrate screen	Feed, 1ml serum or eye fluid	Feed - room temp. RTT fluid/Cool	15.00
Plant identification (suspect toxic plants)	Plant (whole)	Room temp.	30.00
Salt Screen (calcium, phosphorous, sulfur, magnesium, sodium, potassium)	50g feed, 100ml water, eye, 10g brain, 1ml CSF	Feed-room temp; tissues cool	32.00
Selenium - Blood	Whole blood, 5ml	Purple stopper EDTA tube/cool	18.00
Selenium - tissue/other sample	50g liver, kidney, feed	Cool or frozen	24.00
Trace mineral screen (copper, zinc, iron, calcium, magnesium, phosphorous, potassium)	Serum, 1-2ml	Royal blue or plastic top tube**/cool	18.00
Vitamin A or Vitamin E	10g liver, kidney, feed; 5ml serum or plasma	Avoid light and heat/ cold	35.00
* RTT are rubber red stopper tubes with no additives so blood clots in tube. Serum can be removed and sent separate. If not removed from blood clot, ship cool but do not freeze. RTT or equivalent (vial with no additives) is used for PCR swabs.			
Purple or lavender stopper tubes contain EDTA to prevent blood from clotting (whole blood)			
**RTT may be used unless zinc is of interest, then avoid rubber and use royal blue top or plastic stopper tubes without additives			
*** Discount pricing for each sample >10			
<b>Fees effective April 1, 2016. Fees may change without notice. Out of state fee is generally twice the in-state fee except toxicology and some biotechnology tests may be less than twice the in-state rate.</b>			
<b>For a complete list of tests performed at CAHFS or further test details go to <a href="http://www.cahfs.ucdavis.edu">www.cahfs.ucdavis.edu</a></b>			

#### CAHFS Locations

CAHFS – Davis 620 W. Health Sciences Dr University of California Davis, CA 95616 Phone: 530-752-8700	CAHFS – Turlock 1550 Soderquist Road Turlock, CA 95381 Phone: 209-634-5837 (Poultry lab)	CAHFS – Tulare 18830 Road 112 Tulare, CA 93274 Phone: 559-688-7543	CAHFS – San Bernardino 105 W. Central Avenue San Bernardino, CA 92408 Phone: 909-383-4287
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