



SAMPLE SUBMISSION FORM

MI Lab: 1163 Comet Ln, Suite 100, Grand Ledge, MI 48837

WI Lab: 200 E Kelso Rd, Kaukauna, WI 54130

SUBMITTER INFORMATION		BILLING AND REPORTING INFORMATION	
PRIMARY		Current Customer? <input type="checkbox"/> YES <input type="checkbox"/> NO	
Name:		Customer Number (if applicable):	
Address:		Herdcode (if applicable):	
City/State/Zip:		Bill: <input type="checkbox"/> Primary <input type="checkbox"/> Secondary	
Phone/Fax:		Report Results: <input type="checkbox"/> Primary <input type="checkbox"/> Secondary	
Email:		Report Results: <input type="checkbox"/> Email <input type="checkbox"/> Text <input type="checkbox"/> Mail <input type="checkbox"/> Fax	
SECONDARY (IF APPLICABLE)		SAMPLE INFORMATION	
Name:		Collection Date:	
Address:		Species: <input type="checkbox"/> Bovine <input type="checkbox"/> Other:	
City/State/Zip:		Sample Type:	
Phone/Fax:		Quantity:	
Email:			
TEST SELECTION			
For more information about tests available visit https://mycentralstar.com/lab-diagnostic-services/			
Component Analysis (INDIVIDUAL OR BULK TANK MILK)			
<input type="checkbox"/> Butterfat, Protein, Lactose, Solid Non-Fat, Somatic Cell Count (SCC)		<input type="checkbox"/> Milk Urea Nitrogen (MUN)	
<p>Individual Milk</p> <p>ELISA</p> <input type="checkbox"/> Johne's Antibody ELISA <input type="checkbox"/> Leukosis (BLV) Antibody ELISA <input type="checkbox"/> BVD Antigen ELISA <input type="checkbox"/> Pregnancy ELISA <p>PCR</p> <input type="checkbox"/> BVD PCR <input type="checkbox"/> Individual <input type="checkbox"/> Pooled (min. 20 samples) <input type="checkbox"/> A1/A2 PCR	<p>Mastitis PCR</p> <input type="checkbox"/> Individual <input type="checkbox"/> Pooled (min. 3 samples) <input type="checkbox"/> with Follow-Up Testing <input type="checkbox"/> Complete 16 PCR <input type="checkbox"/> STRATA-G™ Contagious 3 PCR <input type="checkbox"/> Staph aureus PCR <input type="checkbox"/> Myco. bovis PCR <input type="checkbox"/> Strep ag. PCR <input type="checkbox"/> Strep uberis PCR <input type="checkbox"/> Prototheca PCR	<p>Serum (RED TOP BLOOD TUBES)</p> <p>ELISA</p> <input type="checkbox"/> Johne's Antibody ELISA <input type="checkbox"/> Leukosis (BLV) Antibody ELISA <input type="checkbox"/> BVD Antigen ELISA <input type="checkbox"/> Neospora Antibody ELISA (WI Lab Only) <input type="checkbox"/> Pregnancy ELISA <p style="text-align: center;">IMPORTANT: Blood in Red-Top tubes <i>cannot</i> be used for PCR testing because they allow clotting.</p>	<p>Whole Blood (PURPLE TOP BLOOD TUBES)</p> <p>ELISA</p> <input type="checkbox"/> Johne's Antibody ELISA <input type="checkbox"/> Leukosis Antibody ELISA <input type="checkbox"/> With Follow-Up PCR Test <input type="checkbox"/> BVD Antigen ELISA <input type="checkbox"/> Neospora Antibody ELISA (WI Lab Only) <input type="checkbox"/> Pregnancy ELISA <p>PCR</p> <input type="checkbox"/> BVD PCR <input type="checkbox"/> Individual <input type="checkbox"/> Pooled (min. 10 samples) <input type="checkbox"/> A1/A2 PCR <input type="checkbox"/> STRATA-G™ BLV PCR
<p>Bulk Tank Milk</p> <p>PCR</p> <input type="checkbox"/> Johne's PCR (MI Lab Only) <input type="checkbox"/> BVD PCR <p>Mastitis PCR</p> <input type="checkbox"/> Complete 16 PCR <input type="checkbox"/> STRATA-G™ Contagious 3 PCR	<p>Mastitis PCR (continued)</p> <input type="checkbox"/> Staph aureus PCR <input type="checkbox"/> Myco. bovis PCR <input type="checkbox"/> Strep ag. PCR <input type="checkbox"/> Strep uberis PCR <input type="checkbox"/> Prototheca PCR	<p>Tissue (EAR NOTCH)</p> <p>ELISA</p> <input type="checkbox"/> BVD Antigen ELISA <p>PCR</p> <input type="checkbox"/> BVD PCR <input type="checkbox"/> Individual <input type="checkbox"/> Pooled (min. 10 samples) <input type="checkbox"/> A1/A2 PCR	<p>Fecal PCR</p> <input type="checkbox"/> Johne's PCR <input type="checkbox"/> Individual <input type="checkbox"/> Pooled (min. 3 samples)
Provide Animal Information On Next Page			



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SAMPLE #	OFFICIAL ANIMAL ID	BARN ANIMAL ID	AGE	SEX	NOTES/INDIVIDUAL TESTING REQUESTS
_1					
_2					
_3					
_4					
_5					
_6					
_7					
_8					
_9					
_0					
_1					
_2					
_3					
_4					
_5					
_6					
_7					
_8					
_9					
_0					
_1					
_2					
_3					
_4					
_5					
_6					
_7					
_8					
_9					
_0					



***Diagnostic tests are intended to identify diseases for animal health,
and do not determine the “safety” of milk.***

Pregnancy (serum and milk) – determine if the animal is pregnant. The test cannot determine length of gestation. Can be used as early as:

- 60 days post calving and 28 days post breeding in cows
- 28 days post breeding in goats
- 30 days post breeding in buffalo
- 35 days post breeding in sheep (serum) and 60 days post breeding in sheep (milk)

A1/A2 – genotyping assay to identify the A1 and A2 beta-casein status of individual animals. Not for use on bulk tank samples or for food quality labeling claims.

- Test individual cattle at any age using milk, whole blood, or ear notch to determine A2 status. Not for use on bulk tank samples.

Johne’s disease – a gastrointestinal disease of ruminants including cattle, sheep, and goats. There is no cure for Johne’s disease. Infected animals shed the organism through feces, creating a route of exposure for the rest of the herd/flock.

- Test animals two years of age and older
- Test goats and sheep with ELISA on a serum sample
- Test cattle with ELISA on a milk or serum sample
- Test cattle with PCR on a fecal or milk sample
 - Pooling is available with a minimum of three samples. Any positive pools will be tested with individual PCR.

Bovine Viral Diarrhea Virus (BVDV) – infection reduces reproductive performance by decreasing conception and inducing abortion.

- Test calves at birth with PCR on an ear notch or whole blood sample to identify Persistent Infections (PI).
 - Pooling is available with a minimum of ten samples. Any positive pools will be tested with individual ELISA.
- Test cattle six months and older with ELISA on a milk, serum, or ear notch sample to identify acute infections. Retest positive animals in two weeks to identify PI cases.

Bovine Leukemia Virus (BLV) – a blood-borne viral infection with no effective vaccine, which negatively impacts production, longevity, and cull value.

- Test cattle six months and older with ELISA on a milk or serum sample to identify infected animals.
- Test ELISA positive animals with PCR on a whole blood sample to identify “Super Shedders.”

Neospora - Abortions associated with Neospora occur mid-gestation. Dogs are definitive hosts, capable of shedding oocysts in feces after eating infected tissue. Cattle become infected by ingesting oocysts. ***This test is only available in our Wisconsin Laboratory. Samples sent to the Michigan Lab for Neospora testing will be shipped to the Wisconsin Lab for an additional fee.***

- Test cattle six months and older with ELISA on a blood sample to identify infected animals.

Mastitis – To determine if a cow has mastitis, information such as clinical signs (udder inflammation, milk change, etc.) and subclinical signs (elevated SCC) should be considered. If mastitis is present, use PCR to identify mastitis causing pathogens.

- Single target assays – Used to identify infected cows in a herd known to have a problem with one of the following pathogens. *Staph aureus*, *Mycoplasma bovis*, *Strep agalactiae*, *Strep uberis*, or *Prototheca*.
- Contagious 3 – used to identify cows infected with the major contagious pathogens within the dairy industry: *Staph aureus*, *Mycoplasma bovis*, and *Strep agalactiae*.
- Complete 16 – used to identify organisms causing clinical or subclinical mastitis infections. Includes all three pathogens from the Contagious 3, plus the most common environmental organisms known to cause mastitis.
- Pooling is available for any Mastitis PCR assay. If selected, results will be reported as pooled. If you would like samples unpooled, you must indicate which pathogen detections should trigger additional testing.

More information, including prices can be found on our website — <https://mycentralstar.com/lab-diagnostic-services/>



Sampling & Shipping Guidelines

Sample Volumes

- Johne's Fecal: 3 grams
- Johne's Bulk Tank Milk: 50 ML
- A1/A2 or BVD Tissue: Ear Notch
- All other test types: 4 mL

Sample Storage

- Milk: fresh, frozen, or preserved
- Feces: fresh only, do not freeze
- Tissue: fresh or frozen
- Blood: fresh only, do not freeze

Packaging

- Place sample containers in cardboard box. If sending ice packs, use Styrofoam cooler box.
- Pack absorbent material (such as paper towel) around samples to soak up the contents in the event of leakage.
- Place frozen ice packs over samples for proper cooling during shipping. (Only necessary in warm weather)
- Include Sample Submission Form(s). Place inside container in a plastic bag to avoid damage from any leakage or condensation.
- Seal shipping container with packaging tape.

Shipping

- Ship samples Monday – Wednesday to avoid weekend deliveries.
- US Postal Service, UPS or FedEx are acceptable carriers.
- Samples should arrive to the laboratory within 2 days whenever possible to avoid degradation.
- When using shipping arranged by CentralStar
 - United States Postal Service (USPS) – if size appropriate, the box can be put in your mailbox. If the box is too large, contact your postal carrier or take to your local post office.
 - UPS – Contact UPS directly for a pickup or take to your local UPS drop off location.
- When shipping from Canada, please include the U.S. Department of Agriculture import permit with shipping documents.

Ship Samples to

- CentralStar Michigan Lab, 1163 Comet Lane, Grand Ledge, MI 48837. Phone: 517.333.8381
- CentralStar Wisconsin Lab, 200 East Kelso Road, Kaukauna, WI 54130. Phone: 920.733.6598