

Atlantic Johne's Disease Initiative



Sample Handling Protocol for Individual Cow Tests

Preparing samples:

Ensure that all samples are labelled with the animals' Identification.

Milk Samples

A clean (non-sterile) sample from a clinically healthy quarter or composite sample should be taken. **Do not** overfill milk sample containers. Leave room for expansion as they may be frozen in the lab (see supply ordering information for container). Label each sample container with the cow's ID.

Blood Samples Highly recommended that the Vacutainer Blood Collection Tube 8.5ml, with gel serum separator be used (see supply ordering information for container).

All blood samples must be spun. If the serum separator blood tube is used it can be spun and shipped in the same tube without having to remove the serum. If the tube does not have the gel serum separator, the blood must be spun and the serum separated into a new tube for shipping. Label each sample tube with the cow's ID.

Fecal Samples

Take individual colon/rectal fecal matter sample from each cow. NO obstetrical lube may be used for gathering samples. However water can be used. A sample size of minimum 50ml to maximum 100ml can be placed into each container (see supply ordering information for container). Label each sample container with the cow's ID. Submit each cow's fecal sample in separate containers. Sample pools will be created in the MQM lab based on age of the animals.

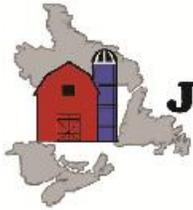
Instructions for ALL samples:

- Keep samples refrigerated until shipping. **DO NOT FREEZE SAMPLES.**
- There are two levels of "leak proof" needed. The first is the jar itself. Secondly, place jars in a Ziploc bag for the second level of protection for leakage.
- Pack absorbent material (i.e. paper towel) around the fecal sample jars to soak up the contents in the event of leakage.
- Place frozen packs over samples for proper cooling during shipping.
- Sample submission forms should be faxed to 1-902-620-5191* and then placed in a plastic bag separate from the samples and placed in the shipping container.
- Seal the shipping container with packing tape.
- Must ship earlier in the week (by Wednesday) to avoid weekend deliveries when there is no one to receive the samples.
- (NFLD only) Do not use the AJDI Purolator billing labels that are used for the Environmental Samples.

*** Pre- notification by faxing the sample submission form allows the lab to prepare for the number of samples coming in by having enough staff on hand and to have identification labels premade for the samples as they arrive.**

Ship to:

Norman Wiebe, AJDI
1001 S, Atlantic Veterinary College
550 University Avenue
Charlottetown PE
C1A-4P3
Fax: 1-902-620-5191



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Supply Ordering Information

The following is a list of suggested supplies for taking blood, fecal or milk samples from your Atlantic Johne's Disease Initiative enrolled farms. These are only suggestions and other similar products will be accepted. Please ensure that all samples are labelled with the farm name, date and animal name and/or number.

Feces:

A sample container that is leak proof and between 50 – 200 mL is recommended.



Starplex wide mouth container 120 mL
- Fisher Scientific, code 03-341-107

OR



Specimen container non-sterile 4oz. (120 mL)
- CDMV, code 102991

Milk:

A sample container that is leak proof and between 10 – 50 mL is recommended.



2 oz. (40mL) lock seal vial
- Capitol Vial Inc., code 02LS

OR



Starplex 30mL universal container
- Fisher Scientific, code 14-375-432

Blood:

This serum separator blood tube is recommended.



Vacutainer Blood Collection Tube 8.5 mL, with gel serum separator

- CDMV, code 103203 **OR**
- Fisher Scientific, code 02-683-96