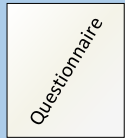


MATERIALS NEEDED

- Disposable gloves
- Sandwich-sized Ziploc (or similar) bags
- 1 large Ziploc bag (to put smaller Ziploc bags in)
- Permanent marker
- Livestock marker/spray
- Official lab submission form (available from: <http://www.pdsinc.ca/Resources/Forms.aspx>)
- Questionnaire (available from: <http://www.pdsinc.ca/Resources/Forms.aspx>)
- Record sheets to record animal ID



PLAN to collect samples on a Sunday, Monday or Tuesday. Ship samples within 24 hours of collection. Shipping from Monday to Wednesday ensures that samples arrive on a business day for processing. Ideally, ship through your veterinarian or by courier (Purolator or FedEx). To find the nearest Purolator or FedEx location for shipping visit: www.purolator.com/location or <https://www.fedex.com/en-ca/resources-tools/pickup-dropoff.html>

Herd size 1-19 goats: collect samples from any or all of the up to 19 goats you wish to have tested.

Herd size \geq 20 goats: RANDOMLY SELECT 20 goats (focus on one production group, i.e. adult does, doelings etc.).

Regardless of herd size: Do not select animals dewormed in the last 8 weeks. Gather all goats to be sampled in a pen or alleyway (with clean ground). Wait until a goat defecates and collect the fresh sample or restrain the goat and collect from the rectum, using lubricant on your finger. Use a new glove for each sample. **Collect ALL samples into INDIVIDUAL bags and LABEL EACH SAMPLE WITH ANIMAL ID – do not repeat sampling from the same goat or combine individual samples.** Moving the animals around the area or offering feed may encourage them to defecate. **IMPORTANT – if you are re-sampling 2 weeks after deworming: Make sure you can identify and pull the same goats in 2 weeks' time; otherwise, we will not be able to tell you whether your deworming treatment was effective. Record animal's ID tag and mark it after sampling.**

COLLECT a handful of manure pellets (minimum 15-20) from the top of a fresh, warm, manure pile or the rectum. Pellets on the bottom of the manure pile should not be collected because they contain contaminants from the ground. **IMPORTANT: Mush the pellets to the bottom of the bag and roll the bag to squeeze out as much air as possible to obtain an anaerobic environment before sealing securely.** An anaerobic (no air) environment prevents the parasite eggs from hatching during shipping. **Double bag the samples by placing the smaller bags into the large Ziploc bag. Again, squeeze the air from the second bag and ensure the seal is secure. Write the date collected on the large bag.** See video on how to collect samples here:

<https://www.youtube.com/watch?v=X2C9sVstce0&feature=relmfu>

If you are deworming at this time, DEWORM the does/kids sampled immediately after the fecal sample collection.

SHIP the submission form, the completed questionnaire and samples within 24 hours of collection through your veterinarian or using a courier service. **Do not freeze the samples.** Chilling will inhibit the eggs from hatching in the lab.

If you are REPEATING the sampling 2 weeks after deworming, follow the same protocol (skip the deworming!) by sampling the SAME ANIMALS 2 weeks from the first collection.

Questions? Please contact Dr. Fritz Schumann, project coordinator:

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