

# Instructions for collecting samples for *M. ovipneumoniae* and pink eye agent testing

1. **Prior to collecting Samples:**
  - a. Owner must sign Consent Form
  - b. Fill out Herd Health Survey Questions
2. Issue a **Farm Code**: 5 characters, 3 letters, 2 numbers (ex, ABC12)
3. **Animal ID numbers**: use farm code followed by a number: ADC12-1, ABC12-2, ABC12-3....)
4. Gloves should be worn and changed or sprayed with ethanol or sanitized in between animals. If you do not use gloves sanitize your hands between animals.

## **Herds less than 10 animals collect duplicate samples for each sheep or goat.**

Each animal should have collected:

- 2 red-top tubes of blood (half full minimum) from all animals older than 6 months. Each tube labeled with the animal ID# **ABC12-1**.
- 2 ocular swab samples collected on all animals: 1 per eye (labelled “OD” right eye - **OD-ABC12-1**; and “OS” left eye - **OS-ABC12-1**).
- 2 duplicate nasal swabs on all animals: each swab is inserted into both nostrils in order to obtain duplicate swabs (One labelled “N1” **N1-ABC12-1** and one labelled “N2” - **N2-ABC12-1**).

*At the 2<sup>nd</sup> and 3<sup>rd</sup> collection times, collect duplicate nasal swabs only.*

## **Herds larger than 10 animals collect duplicate samples on 20% of the animals.**

### **Selecting young stock as much as possible.**

*Duplicate Samples for 20% of the flock or herd described above.*

Animals with no duplicate samples should have collected:

- 1 red-top tube of blood (half full minimum) tube labeled with the animal ID# **ABC12-11**.
- 2 ocular swab samples collected: 1 swab for each eye (labelled “OD” **OD-ABC12-11** and “OS” **OS-ABC12-10**)
- 1 nasal swabs: each swab is inserted into both nostrils in order to obtain duplicate swabs (labelled “N1” followed by the animal number

*At the 2<sup>nd</sup> and 3<sup>rd</sup> collection times, collect nasal swabs only.*

5. **Blood Collection:**
  - a. Spray or wipe down the jugular groove with ethanol prior to performing venipuncture
6. **Swab Collection:**

Twist open the cylinder containing the swab by firmly gripping the colored cap with the “swabbing hand” and holding the tube/cylinder with the other hand (do not touch the end of swab). Try to avoid touching outside of the location being sampled (i.e., the skin around the nose/eyes or anywhere else in the environment). After collecting sample, snugly place the swab back down into the plastic cylinder, avoiding touching the swab to anything outside of the cylinder.

### **Nasal swab:**

- o Gently insert the swab (“cotton end”) deep into the nasal cavity and twist/move around for approximately 5 seconds. Insert up to within 1 cm of the cap that the swabs are attached to (only go until there is resistance on young kids, typically around 3-6 cm into

the nasal passage; lambs seem to have wider nasal passages than goat kids, but only go as far as possible without resistance).

- Swab inserts easiest if you keep it along the ventromedial aspect of the nasal cavity. Gentle twisting or slight in and out movements to collect the sample and AVOID CAUSING excessive irritation or trauma and getting BLOOD ON SWAB.
- Both nasal cavities should be swabbed with the same swab to ensure a good collection of mucus and collect duplicate samples as needed (one is tested in my lab and the second is sent to an independent lab for confirmation).

***Ocular swab:***

- Swabs are labeled for right (“OD”) and left (“OS”) eye.
- Pull ventral eyelid out and gently insert swab into the conjunctival recess, roll 360 degrees and return swab to the cylinder

**Shipping Samples:**

Put sample submission forms in a plastic bag to protect the paperwork.

*Place the samples for Dr Highland with the sample forms in one plastic bag. Keep the duplicate samples in a separate plastic bag with the WADDL submission forms.*

Place the samples at refrigerator temperature or on ice pack as soon as possible and ship with icepack via FedEx Priority or overnight delivery. If samples are collected too late in the day, please place in the refrigerator (do not freeze) until the next day. Samples should be shipped within 24 hours of collection so they are received for processing within 48 hours post-collection.

**Samples must be shipped Monday through Thursday *morning* to:**

Dr. Maggie Highland  
USDA-ARS-ADRU  
3003 ADBF  
Washington State University  
Pullman, WA 99164-6630

Office phone: 509-335-6327

Cell phone: 608-213-3025

Samples will be shipped by FedEx. Account number will be sent with sample kits

**Note: Contact FedEx prior to shipping from your location on a Thursday. Shipping from some areas of Alaska FedEx will not guarantee overnight delivery.**

**Samples must not be shipped on FRIDAY. This results in substantially increased cost and requires someone to work over the weekend.**

**Plan ahead; if there is no alternative for a Thursday or Friday shipment, you must make special arrangements this with Dr Highland prior to sending samples.**