KY LPAI Sampling and Shipping Guide

Supplies

- LPAI Avian Incident Submission Form
  (Commercial, Back Yard, or Environmental)
- Premises ID Barcode Labels
- Unique Sample ID’s
- Black or Blue Ink Pen
- Fine Tipped Black Sharpie
- Clear Packing Tape, Masking Tape
- Double Gloves
- Lysol Spray Can
- Lysol Wipes
- Small and Large Ziploc Bags or Similar Plastic Bags
- Plastic Bag for Submission Paperwork
- Collection of Swabs - BHI Broth Tubes, 5.5 ml broth tubes for pooling 11 samples or 3 ml broth tubes for pooling 5 samples. Available from NVSL-Federal or Laboratory Order
- Sterile Polyester Swabs – DO NOT use cotton swabs or wooden handles
- Insulated Shipping Container
- Frozen Gel Packs
- Bulk Filling Material/Padding (if shipping)
- Shipping Label or Company Label (depending on transport method)
- Stickers – UN3373 Biological Substance Category B

Process

Complete Avian Submission Form. Incident Management (IM) will provide.
- Commercial PIN and Site Name will be pre-populated on the Submission Form. PIN and Site Name are both REQUIRED for submission. Place a PIN barcode label on submission form if available.
- Non-Commercial may or may not have PIN and Grower Name pre-populated.
- Refer to LPAI Submission Form Guide

Prepare Supplies

- Label BHI broth tubes with the unique sample ID labels, each tube must have a unique sample ID. The corresponding unique sample ID will be placed on the submission form. Unique sample IDs can be obtained from IM.
  - Ensure the bar code labels are sticking and that all numbers are visible.
- Gather swabs – have an extra swab for each house in case of contamination
- Label Plastic bags – Primary Bag (all tubes from one building/house/barn) + Secondary Bag (hold all primary bags for one premises)
  - Premises ID Barcode Label if available.
  - Commercial- Company & Site Name
  - Backyard-Owner Name

Collect Samples

Swabs-Follow collection guidelines outlined in USDA’s “Avian Sample Collection for Influenza A and Newcastle Disease”
- BHI tubes available from NVSL – 3 ml & 5.5 ml BHI
- Follow the appropriate biosecurity steps to C&D bags. See following section, “Pack and Ship/Deliver”

Pack and Ship/Deliver

Hand Courier Packing: Layers of packaging from the inside out:
- Place frozen, gel ice packs on the bottom of hand courier container.
- Each PCR tube must include a unique sample ID barcode label. The corresponding sample ID must be placed on the Submission Form. All the tube(s) per house/barn/structure on a premises will then go into a primary plastic bag. One primary bag per house/barn/structure on a premises. Primary bag should be labeled with premises/company/site information.
Each primary plastic bag of tubes for the houses/barns on the premises will go into a secondary bag that holds all samples from one premises. Keep Secondary Bag in CLEAN areas.
  - This secondary plastic bag will also need to be labeled with premises/company/site information.
  - Spray secondary plastic bag with a disinfectant.

All secondary plastic bags (if multiple premises) will be placed into the insulated shipping container.

- Place all secondary plastic bag sets on top of frozen gel packs in the insulated hand courier container.
- The Insulated Shipping Container (should be inside a certified cardboard box if shipping by commercial courier. See “Pack for shipping by courier” below.


- Place frozen, gel ice packs on the bottom of insulated shipping container (i.e. insulated cooler with certified outer box).
- Wrap the primary container(s) in sufficient dry absorbent material (e.g., cotton) to absorb all liquid contents in case of breakage and place inside the secondary container. Absorbent must be between the primary container and the secondary container.
- Place all secondary plastic bag sets on top of frozen gel packs in the insulated shipping container.
- Fill all empty space in the insulated shipping container with packing material to occupy empty space and prevent movement that may break the tubes during shipping. Examples of packing materials: bubble wrap, plastic air bags, newspaper.
- Cover container with the insulated lid.
- Place submission forms in a plastic bag on top of the insulated lid (on top of the insulated cooler and within the certified outer box if shipping)
- Close the cardboard lid and tape shut with packing tape.
- Attach “UN3373: Category B Substances” sticker to the side of the box.
- Write company name on the outside of the box.
- Attach properly completed shipping label if being shipped by Courier.

Delivery to Laboratory by COMMERCIAL PERSONNEL, KDA, USDA

- Call the Lab when the driver is 10-15 minutes away.
  - UKVDL (859) 257-8283 or MSU BVC (270) 886-3959
- Drive samples to the specified location (see diagram below of receiving areas)
- If submitting animals for necropsy; call the lab or enter receiving area for further instructions, DO NOT take the birds or samples into the receiving area without prior instructions.
- DO NOT bring samples through the front door of either laboratory.
Revision 1.15.21

- Have samples packaged the same as described above for the Primary Container to include proper labeling and ensuring the paperwork is on the outside of the primary container. **Paperwork should be kept separate from samples. Hand paperwork to Lab staff at arrival to lab.**
- If testing is for movement, ensure paperwork is labeled accordingly.
- You will hand off the entire shipper and it WILL NOT be returned.
- If delivering samples after hours, coolers may be available at the laboratory for drop off. Call the laboratory during business hours to confirm that samples may be dropped off after hours.
- Hours of operation and specific instructions on sample delivery during an AI Incident is subject to change, incident management will notify submitters or update this document for distribution.

<table>
<thead>
<tr>
<th>Laboratory</th>
<th>University of Kentucky Veterinary Diagnostic Laboratory</th>
<th>Murray State University Breathitt Veterinary Center</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Address</td>
<td>1490 Bull Lea Rd, Lexington, KY 40511 UPS/FedEx Delivery</td>
<td>101 MSU Drive, Hopkinsville, KY 42240 UPS/FedEx Delivery</td>
</tr>
<tr>
<td>Phone Number</td>
<td>859-257-8283</td>
<td>270-886-3959</td>
</tr>
<tr>
<td>Normal Operating Hours</td>
<td>8:00-5:00 pm EST M-F</td>
<td>8:00 - 4:30 pm CST, M-F</td>
</tr>
<tr>
<td>Emergency Number</td>
<td>859-321-4890</td>
<td>270-886-3959, answering service/notify on-call</td>
</tr>
<tr>
<td>Website</td>
<td><a href="http://www.vdl.uky.edu">www.vdl.uky.edu</a> (home page &amp; tab: Hours &amp; Operation/Holiday)</td>
<td><a href="https://breathitt.murraystate.edu/">https://breathitt.murraystate.edu/</a> (hours listed on home page)</td>
</tr>
</tbody>
</table>

**UK Veterinary Diagnostic Laboratory**
Lexington KY
Yellow arrow=Receiving Area

**MSU Breathitt Veterinary Center**
Hopkinsville KY
Yellow arrow = Receiving Area

**Communicate Sampling Information with KY Incident Management Team and Laboratory**
- At the beginning of an Incident, due to high volume of submissions, commercial operations must Contact KY OSA or the designated Case Manager with expected samples to be delivered to the laboratory. Sample information will be provided to IM and the laboratory by OSA or Case Manager.
- Incident Management, KDA, KY OSA, or Case Manager will communicate with the laboratories on sample numbers and submissions for non-commercial surveillance.
- All communication from Incident Management shall be through the Laboratory Director until otherwise directed by Incident Management or the laboratory during an incident.

**Reports**
- Premises Name, Federal Premise ID and Test Results will be included on the Lab Report.
Lab Reports will include a copy of the Submission Form to capture the additional information that should be reported to Incident Management.

- Reports will automatically be emailed through the LIMS to KDA-State Veterinarian and designated Incident Management. (i.e. VS Epidemiologist and KPF OSA)
- Reports will be emailed to the company by Laboratory or Incident Management. A Company/Grower Information form for **Ai Incident Reporting** must be completed.
  - This form contains the contact information for each company.
  - Completed or updated forms should be sent to jenniferhall@kypoultry.org. These forms will be distributed to Incident Management (if applicable), MSU BVC and UK VDL.
- Laboratories will report required data and results to LMS (EMRS).

**Biosecurity**

Submission Form
- Complete in the office and never enter an animal area with the submission paperwork.
- Store separately from samples and outside the cooler in a plastic bag if being hand delivered.
- Store on top of the cooler and below the cardboard in a plastic bag if being shipped by courier.

Secondary Bag (holds all the Primary Bag(s) from one premises)
- Secondary bag should be clean and not enter the animal area.
- Wipe down or spray with Lysol before placing in shipping container.

**Related Documents to Avian Influenza Sampling Guide**

- Avian Incident Submission Form
- LPAl Submission Form Guide
- USDA Avian Sample Collection for Influenza A and Newcastle Disease
- USDA Preparing Diagnostic Specimens for Shipment: Category B Substances
- AI Incident Reporting

**Websites**

UK VDL Homepage: [www.vdl.uky.edu](http://www.vdl.uky.edu)

MSU BVC Homepage: [https://breathitt.murraystate.edu/](https://breathitt.murraystate.edu/)

KPF Homepage: [http://www.kypoultry.org/ISRCP](http://www.kypoultry.org/ISRCP)

USDA: **Avian Sample Collection for Influenza A and Newcastle Disease**

**Contacts**

KY NPIP Official State Agency (Commercial)  KY NPIP Official State Agency (Non-Commercial)
Jennifer Hall  Katie Flynn
Phone: (859) 527-0048  Phone: (502) 782-5913
Email: jenniferhall@kypoultry.org  Email: Katie.flynn@ky.gov

Complete Contact List for the KY Poultry Health Advisory Committee can be provided by KY OSA at time of Incident. (Kentucky Department of Agriculture (KDA), KY VS, Laboratories, Industry & KPF)

**Ordering**

BHI Order Form - NVSL

Swabs – Fisher Scientific
[https://www.fishersci.com/](https://www.fishersci.com/)

BD Sterile Flocked Swabs – Catalog Number 22-349-820  Puritan™ Polyester-Tipped Applicators – Catalog Number 14-960-1J