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 3ml 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 (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 id’s 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
- 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
The University of Kentucky, Veterinary Diagnostic Laboratory (UK VDL) and Murray State University, Breathitt Veterinary Center (MSU BVC) days and hours of operation are provided at the following links.
www.vdl.uky.edu (tab: Hours & Operation/Holiday)
https://breathitt.murraystate.edu/ (hours listed on home page)

Plastic bags from the inside out:

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Each PCR tube must include a unique sample ID barcode label, the corresponding sample ID must be placed on Submission Form. All the tube(s) per house/barn/structure on a premises will then go into a **primary plastic bag**. One 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 (multiple premises) will be placed into the insulated shipping container

The Insulated Shipping Container (should be inside a cardboard box if shipping)

**To Pack for shipping by COURIER:** See attached Category B Biological Substances for details or page 126, section 7-4 [FAD_Investigation_Manual](#)

- Place gel ice packs on the bottom of insulated shipping container(primary container)
- Place all secondary plastic bag sets on top of ice packs(primary container)
- Fill all empty space with bulk material to occupy empty space and prevent movement that may break the tubes during shipping. Bulk materials: bubble wrap, plastic air bags, newspaper
- Cover container with insulated lid
- Wrap the primary container in sufficient dry absorbent material (e.g., cotton) to absorb liquid contents in case of breakage. Must be placed between the primary container and the secondary container.
- Place the primary container in a secondary container and then place the secondary container in a certified outer box.
- **Place submission forms in a plastic bag on top of the insulated lid (below the secondary lid 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 shipping label if being shipped by Courier and not hand delivered to the Laboratory

**Delivery to Laboratory by COMMERCIAL PERSONEL, KDA, USDA**

*UK VDL and BVC MSU have Avian Influenza Documents that can be provided by KY OSA or the labs to provide hours of operation and specific instructions on sample delivery during an AI Incident.*

- 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 .
- Call the Lab when the driver is 10-15 minutes away. UKVDL (859)257-8283, MSU BVC (270) 886-3959
- Drive samples to the specified location (the UK VDL and BVC MSU AI Docs provide this information)
- DO NOT bring samples through the front door
- Keep paperwork outside the shipper, **paperwork should be kept separate from samples. Hand paperwork to Lab staff at arrival to lab.**
- You will hand off the entire shipper and it WILL NOT be returned

**Communicate Sampling Information with KY Incident Management Team and Laboratory**

- Commercial operations must Contact KY OSA or the designated Case Manager with expected samples to be delivered. 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.

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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 Al Incident Reporting must be completed.
  - This form contains the contact information for each company
  - Completed or updated forms should be sent to jenniferhall@kpoultry.org. These forms will be distributed to Incident Management (if applicable), MSU BVC and UK VDL.

Biosecurity
Submission Form
- Complete in the office and never enter an animal area with the submission paper work.
- 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
LPAI 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
MSU BVC Homepage: https://breathitt.murraystate.edu/
KPF Homepage: http://www.kypoultry.org/ISRCP
USDA: Avian Sample Collection for Influenza A and Newcastle Disease

Contacts
KY Official State Agency (Commercial)               KY Official State Agency (Non-Commercial)
Jennifer Hall                                      Bradley Keough
Phone: (859)527-0048; Cell: (859) 808-0402         Phone: (502) 782-5901, Cell: (502) 330-7067
Email: jenniferhall@kpoultry.org                   Email: bradley.keough@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, & KPF.

Ordering
BHI Order Form - NVSL
Swabs – Fisher Scientific
https://www.fishersci.com/
BD Sterile Flocked Swabs – Catalog Number 22-349-820
Puritan™ Polyester-Tipped Applicators – Catalog Number 14-960-1J

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