



Avian Health

Animal Disease Research Diagnostic Laboratory | 1155 | North Campus Drive | Brookings, SD 57007
Ph: 605 688-5171 | Fax: 605 688-6003 | Email: sdsu.adrld@sdstate.edu | Web: http://sdstate.edu/vs

DVM				Bird Location		
Clinic				Site Name		
Address				Address		
City	State	Zip		City		
Phone	Fax			State	Zip	
Email				County	Country	
Owner				Premise ID (Attach ID Barcode on back of the form and type PIN in adjacent box)		
Division				Lot or Group ID		
Address				Source or Flow ID		
City	State	Zip		Samples	Collection Date:	
Phone	Fax				Collected by:	
Email					Number Submitted:	
Bill to	Clinic	Owner	Other			
Prefer Reports by	Fax	Email				
Test Reason	General Diag. Exam	Export	Surveillance	Research	Other	
Species	Chicken	Pheasant	Turkey	Other		
Specimens	Boot Swab	Egg Yolk	Meconium	Environmental		
	Egg Shell	Fluff	Serum	Other		
Bacteriology	Bacterial Culture/ID	Salmonella Enrichment	Other			
Environmental Testing	*NPIP US Salmonella enteritidis clean		Salmonella Environmental Monitoring	Yeast/Mold Count		
	*NPIP US Sanitation monitored / US Sanitation Monitored, Turkeys		Coliform Count	Other		
Clinical Pathology / Parasitology	Avian Complete Blood Count		Fecal Float for Ova			
	Avian Serum Chemistry Profile		Other			
Molecular Diagnostics (PCR)	Avian Influenza PCR		APMV -1 PCR			
	Avian Influenza H5 Subtyping		Other			
	Avian Influenza H7 Subtyping		Other			
Serology	Avian Influenza (AI) Virus Egg Yolk AGID		Mycoplasma synoviae (MS) ELISA			
	Avian Influenza (AI) Virus Serum AGID		Newcastle Disease Virus (NDV) Ab ELISA			
	Avian Reovirus Ab ELISA		Ornithobacterium rhinotracheale (ORT) ELISA			
	Bordetella avium Ab ELISA		Pasturella multocida Ab ELISA			
	Hemorrhagic Enteritis Virus (HEV) Ab ELISA		Salmonella pullorum Microagglutination (MAT)			
	Mycoplasma gallisepticum (MG) ELISA		Other			
Mycoplasma meleagridi (MM) ELISA		Other				
Comment / History						
Internal Use Only	Samples for NPIP Testing	Accepted Rejected	Reason for rejection	Date / Initial		

*** If samples do not meet NPIP collection guidelines, only non-NPIP environmental testing will be performed.**



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***Environmental Sample Collection**

The National Poultry Improvement Plan (NPIP) lists appropriate samples and collection guidelines for environmental testing for poultry facilities in their program standards (poultryimprovement.org). When submitting a sample for testing, please observe the following guidelines (note: NPIP samples will be rejected for testing if they are not collected and stored as stated below):

- Samples must be collected with pre-moistened swabs, sponges, boot covers, gauze pads or other sterile collection devices. If collection devices do not come pre-moistened, use Double Strength Skim Milk (DSSM) or chicken broth (Rolfe et. al., 2000) to moisten collection devices before and after collection as needed. Litter and Fluff samples can be placed directly into a sterile bag and submitted dry, or swabbed with pre-moistened gauze or sponge. Collect meconium in a sterile container, at least 25 grams is needed for testing.
- Place samples in a clearly labelled sterile bag or container, taking care not to rip or tear bags.
- Moistened samples require refrigeration (2-4 °C) after collection. Ship samples to the lab with ice packs as soon as possible after collection. Do not freeze samples.
- Samples must arrive at the lab within 24-72 hours of collection. Avoid shipping over weekends when possible. Samples can be refrigerated no more than 5 days before testing (Samples moistened with DSSM must be tested within 3 days of collection).
- Please submit samples with a list of sample IDs and collection dates, or email this list in advance to sdsu.bacteriology@sdsu.edu

***NPIP Testing for Salmonella Enteritidis / NPIP U.S. Sanitation Monitored**

Samples for NPIP testing will be evaluated upon arrival at the laboratory for adherence to the NPIP guidelines (see above). If the samples do not meet the collection guidelines (past 5 days of collection, not cool, not moistened, inappropriate sample), samples will be rejected for NPIP testing and will be tested as environmental monitoring samples.

Testing to include:

- Screening of samples with molecular methods
- Culture of all positives for Salmonella sp.
- Serogrouping of all Salmonella isolates
- Serotyping of all group D1 Salmonella sp. at NVSL in Ames, IA. (additional \$2 per sample for Serotyping)

Environmental Monitoring for Salmonella sp., Yeast/Mold and coliform counts

This test is for in-house environmental monitoring for Poultry facilities. **Samples that do not meet NPIP collection standards will be tested under this procedure. The molecular method available for this test is a non-NPIP method.** Yeast/Mold and Coliform counts are also available.

Testing to include:

- Screening of samples with molecular methods
- Culture of all positives for Salmonella sp.
- Serogrouping of all Salmonella isolates
- Serotyping of one Salmonella sp. of each group isolated per case at NVSL in Ames, IA. (additional \$2 per sample for Serotyping)