



**United States
Department of
Agriculture**

*HPAI Outbreak and FADi
Electronic Results Messaging
Poultry Policy Guidance
August 2024*

Please note: This procedure may be revised as needed. The intended audience for this document is all National Animal Health Laboratory Network (NAHLN) laboratories.

All NAHLN Laboratories are expected to:

- Have the capability to electronically message test results for both foreign animal disease investigations (FADi) and outbreak associated testing.
- Electronically message HPAI (and APMV) associated test results as soon as possible.
- Provide messaged result as either Not Detected (NDET) for negative results or Non-Negative (NONNEG) for presumptive positive results.
- Provide results (either NDET or NONNEG) as a final report from the NAHLN laboratory. NVSL will message confirmatory results.
- Have a documented process in place to ensure that messaged results are successfully received by APHIS, including steps to follow if the messaged results are not received by APHIS.
- Submit all Non-Negative samples to NVSL for confirmatory testing.

Message Content:

Program OIDs:

- Program OID for IAV-A messaging is 2.16.840.1.113883.3.5.8.4
- Program OID for APMV-1 messaging is 2.16.840.1.113883.3.5.8.15
- If one or more samples tested for multiple diseases are to be submitted in the same message, each set of disease specific test results must be included under a unique ORDER group with the applicable program OIDs in each ORC segment.

FADi/RCA/Referral Numbers:

- The FADi number, referral number, or EMRS submission number (if provided) must be submitted in the message in the **orc.4/ei.1 field** exactly as they appear on the submission form with no spaces or additional characters added.
- If a FADi or referral number is not provided, report 'NA' in the **orc.4/ei.1 field**.

Specimen Identifiers:

- Submitter-assigned specimen IDs must be sent in the message in the **spm.2/eip.1/ei.1 field** exactly as they appear on the submission form, with no spaces or additional characters added.

Collection site:

- If available, include the Premises ID for the location of the animal at time of sample collection in a **PREM rol segment** in the **rol.13/pl.10/ei.1 field**. If the PIN is unknown or it is not certain that it is for the collection site, send 'NA'
- If available, include the state for the location of the animal at time of sample collection in the same **PREM rol segment** in the **rol.11/xad.4 field**. If state is unknown or it is not certain that it is for the collection site, send 'NA'
- Any other available physical address information should be included in the message in the **PREM rol segment**, provided, to the best of the laboratory's ability they are certain that the information pertains to the location of the animals where samples were collected.

Note: Labs are not expected to validate either the premises ID or the state when the information is provided to them.

Submission Reasons:

- Include the most appropriate submission reason in the message in obr.31. A full list of submission reasons can be found on the [VTSL site](#).

Submission Purpose Code	Submission Purpose Text	Comments	NAHLN Lab Interpretation
F	FAD Diagnostics	Samples that are submitted as part of an original foreign animal disease investigation.	FAD investigation with an FAD #
LB	Live Bird Market testing	Testing conducted for detection of disease in the Live Bird Marketing System.	May be testing of healthy or clinically ill birds within the LBM system.
OM	Outbreak Movement	Permitting of animals for movement specifically during an Outbreak	Testing for movement of animals or animal products to support permits.
NP	National Poultry Improvement Program testing	Testing conducted as part of the National Poultry Improvement Program.	NPIP funded testing often associated with quarterly testing, movement to slaughter, etc.
S	Surveillance	Used for outbreak and outbreak recovery surveillance testing inside designated control and surveillance zones which includes environmental testing.	Control area surveillance of birds or post C&D testing.
T	Traceback	Premise or animal that has been epidemiologically linked to a confirmed or suspect reportable disease case.	Testing on birds linked to a confirmed or suspect premises.
W	High risk wildlife	Testing of wildlife or feral animals that are at high risk for transmitting	Primarily used in Wildlife Services wild bird

		the disease being tested for to livestock or commercial animals.	surveillance but should also be used for any other wildlife testing, including mammals, that are not associated with a VS confirmed premises.
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Test LOINCs, Results, & Interpretations

PCR Matrix: 44263-2

- CT Value in obx.5
- Interpretation in obx.8
- NDET or NONNEG

PCR H5: 44264-0

- CT Value in obx.5
- Interpretation in obx.8
- NDET or NONNEG

PCR H7: 38270-5

- CT Value in obx.5
- Interpretation in obx.8
- NDET or NONNEG

H5 2.3.4.4.b: 77605-4

- CT Value in obx.5
- Interpretation in obx.8
- NDET or NONNEG

Negative Results May Final

When a NAHLN laboratory has a result of Not Detected (NDET) on pan-influenza A assay (matrix or approved kit):

- They should message NDET in final reports.
- These results may be immediately actionable where the state agrees.
- No further testing will happen at NVSL unless requested by the state.

Non-Negative Results May be Actionable and Require Samples to be sent to NVSL for Confirmatory Testing

When a NAHLN laboratory has a result of Non-negative (NONNEG) on pan-influenza A assay (matrix or approved kit) or subtyping assay (H5, H7, or H5 2.3.4.4 –LOINC):

- They should message NONNEG in final reports.
- Samples must be sent to NVSL for confirmatory testing.
- NAHLN results may be immediately actionable prior to completion of confirmatory testing.

Refer to NVSL-WI-1781 NAHLN Electronic Messaging Guide for further details on electronic messaging. This is a controlled document and a copy can be obtained through your lab's quality management system.