



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-1) associated test results as soon as possible **as long as APMV-1 is NDET**.
- 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 & Referral Numbers:

- If submitted as a FAD investigation the FADi number must be submitted in the message in the [orc.4/ei.1 field](#) in the correct format (FYST0000).
- If a submission does not have an FADi number, submission purpose must be something other than "F".
- Submissions may also be reported with a referral number, if so, it should be sent in the message. In the absence of a referral number report 'NI'.

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 'NI'
- State is always required in the prem rol. Address City and zip code should be reported if provided, otherwise report 'NI'.

Note: Labs are not expected to validate the premises ID.

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 Submission Purpose Table](#).

| 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 # |
| G | General Diagnostics | Diagnostic testing conducted to determine the cause of disease or illness in an animal. May be indirectly indicated within LIMS when the submission includes the ordering of a number of different diagnostic tests. | May be used for “sick bird calls” when an FAD investigation number is not assigned. |
| 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 | Premises 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 the disease being tested for to livestock or commercial animals. | Primarily used in Wildlife Services wild bird surveillance but should also be used for any other wildlife testing, including mammals, that are not associated with a VS confirmed premises. |

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: 44266-5

- 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.