



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 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 specific to testing of cattle:

Program OID:

- Program OID for IAV-A messaging is 2.16.840.1.113883.3.5.8.4

FADi/RCA/Referral Numbers and PINS:

We will be requiring either a FADi for clinical animals or a PIN for samples from all non-clinical animals.

- Clinical Animals
 - 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, reach out to you SAHO or AVIC.
 - A FADi number is required for clinically affected animals for NAHLN reimbursement.

Premises identification number (PIN)

- Non-Clinical Animals (if for pre-movement, for trace-out, or for concern of exposure)
 - Include the PIN for the location of the animal at time of sample collection.

- The PIN must be submitted in the message in the **PREM rol segment** in the **rol.13/pl.10/ei.1 field** exactly as they appear on the submission form with no spaces or additional characters added. If a PIN is not provided, reach out to you SAHO or AVIC.
- The PIN must represent the location of the animals at the time of sampling.
- A PIN is required for NAHLN reimbursement if testing is not part of a FADi.

Submission Reasons:

Submission Purpose Code	Submission Purpose Text	Comments
F	FAD Diagnostics	<ul style="list-style-type: none"> • Samples that are submitted as part of an original foreign animal disease investigation.
EE	Emerging Event	<ul style="list-style-type: none"> • Used, when directed by NAHLN, for testing in situations where it is suspected, but not yet confirmed, that an outbreak is possible. One example is incidents where a known disease program pathogen is found in a novel population. May also be used in testing related to Unexplained Mortality Event (UME).
M	Interstate Movement	<ul style="list-style-type: none"> • Movement of animals within the U.S.
H	Health Monitoring	<ul style="list-style-type: none"> • Used for surveillance conducted outside of a national surveillance program, or for monitoring healthy animals, herds or flocks.
E	Export	<ul style="list-style-type: none"> • Used when testing animals prior to transport to a foreign country.

Specimen Type:

- Spm.4/cwe.1 and spm.4/cwe.2
- SNOMED
 - Milk (individual or pooled): 119321005
 - Mammary gland: 127457009
 - Bulk tank milk: 367371000009108

- If you are uncertain on specimen type or mapping, please contact NAHLN Program Office.

Additional Guidance:

- Pooled samples
 - For Patient
 - Lab generates a patient ID for each pool.
 - For Sample
 - The lab ID for the pooled sample should be reported in SPM2 – be sure SPM.2/EIP.2/EI.1 is unique.
 - If the LIMS supports it, report the identifiers on the individual samples in the pool in SPM.3 elements (they repeat)
 - Report 'L' (Pooled) in SPM.11
 - Report the count in SPM.13
- Bulk Tank Milk sample
 - These should not be pooled further at the laboratory.
 - The specimen type is:
 - SNOMED Code: 367371000009108 (SPM.4/CWE.1)
 - SNOMED Text: Bulk tank milk (SPM.4/CWE.2)

Test LOINCs

In addition to current approved tests, If you are using the Idexx npELISA kit reporting of results from this test should use the LOINC:

85534-6 Influenza virus A avian origin nucleoprotein Ab/Negative control in Serum by Immunoassay

If you are considering use of a different ELISA test, please contact NAHLN.IT@usda.gov.

Not Detected Results May be Actionable and Final

When a NAHLN laboratory has a result of Not Detected (NDET) on pan-influenza A assay (matrix or approved kit – LOINC = 44263-2):

- 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 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 – LOINC = 44263-2) or subtyping assay (H5 = LOINC 44264-0 or H5 2.3.4.4 –LOINC = **77605-4**):

- They should message NONNEG in final reports.
- Samples must be sent to NVSL for confirmatory testing.

HPAI in Livestock Messaging Policy Guidance April 2024 NAHLN

- 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.