



## Alveo Sense™ Poultry Avian Influenza Test

### Quick Reference Instructions

For use with the Alveo Analyzer and the Alveo Sense Mobile App



Scan to view full Instructions for Use (IFU)

ANALYZER SETUP

TEST PREPARATION

## Get to know the Alveo™ System

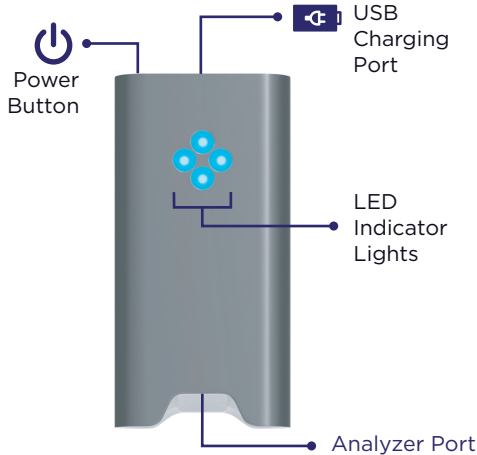
START HERE

Smartphone\*



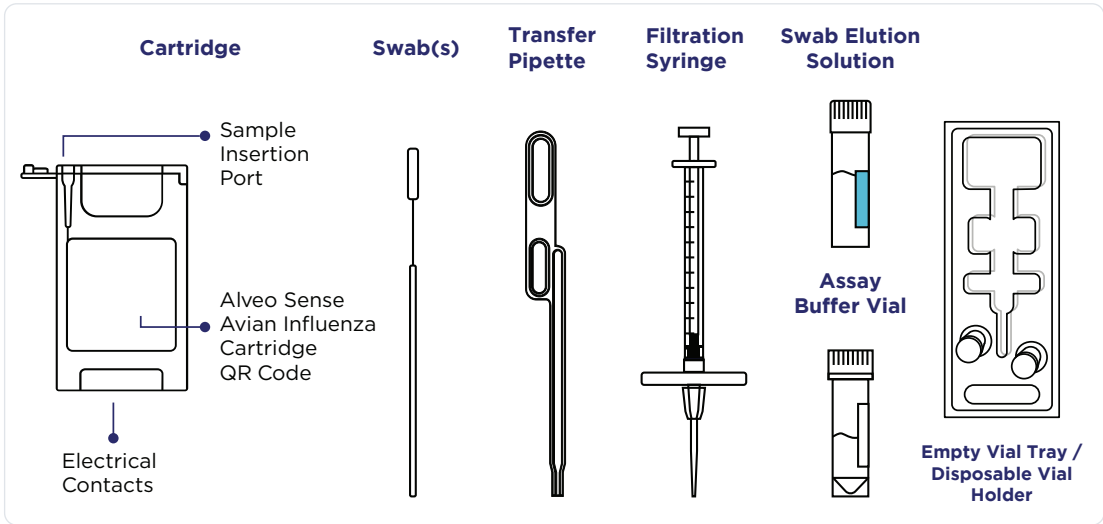
\*Not included

Alveo Analyzer\*\*



\*\*Includes charging cable and adapter

### Alveo Sense Poultry Avian Influenza Test Components



Note: If any parts are missing or damaged, do not use and contact Alveo Support at support@alveotechnologies.com, or call us at +1-833-239-3550.



For use with the Alveo Analyzer and Alveo Sense Mobile App.

For the qualitative detection and differentiation of Avian Influenza Type A / H5 / H7 or H9



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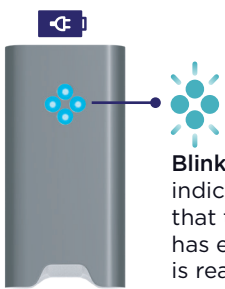
Developed in partnership with Royal GD Animal Health



D-QRI-000013 Rev C 2025-08

#### 1 Charge the Alveo Analyzer

Connect the Alveo Analyzer to a power source using the provided charging cable and adapter.



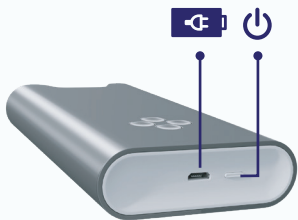
**Blinking Blue LED** indicator lights indicate that the Alveo Analyzer has enough charge and is ready to pair with a smartphone.

#### How to power on the Alveo Analyzer

Locate the power button next to the charging port on the Alveo Analyzer as indicated in the image.

Briefly press and release the power button, the LED indicator lights should flash on within a few seconds.

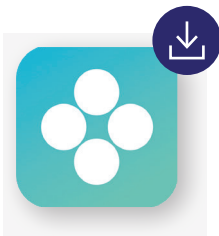
If no lights flash on, plug in your Alveo Analyzer to charge.



MOBILE APP SETUP

#### 2 Download the Alveo Sense Mobile App

Using a Smartphone, navigate to the app store to download the Alveo Sense Mobile App.



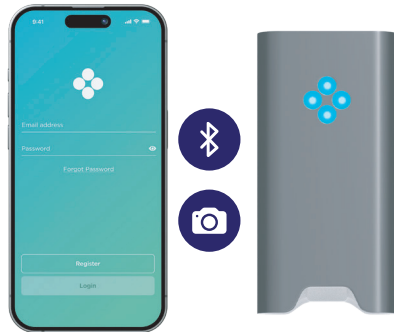
#### 3 Create your account

Follow the Alveo Sense Mobile App instructions to register your email address and create an account.



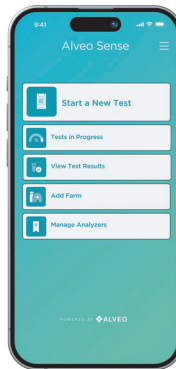
#### 4 Log in to the Alveo Sense Mobile App

Log in with the email address used in registration. When prompted, grant Alveo Sense Bluetooth and camera permissions. Follow on-screen instructions from Mobile App to pair the Analyzer with Smartphone.



#### 5 Your Alveo Sense System is ready to use!

Refer to the Alveo Sense Mobile App for instructions on how to start a new test.



### CAUTION



Keep the work area clean to prevent contamination. Wear disposable gloves and appropriate PPE while handling samples and change gloves between testing each specimen.



Follow all local, state, regional, and/or national guidelines for disposal of used product.

### STORAGE SPECIFICATIONS

**Alveo Sense Poultry Avian Influenza Test** Store the Test Kit components at 36-86 °F (2-30 °C).

**Do not use samples stored in Universal Transport Medium (UTM) or other transport media.**

**Alveo Analyzer** Store the Alveo Analyzer at 59-86 °F (15-30 °C).

### OPERATING CONDITIONS

For best performance, fresh Swab samples should be tested immediately after collection.

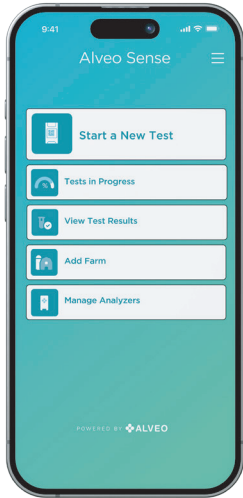
The Alveo Analyzer and Alveo Sense Poultry Avian Influenza Test can operate at room temperature (59-86 °F or 15-30 °C) and in uncontrolled relative humidity, non-condensing.

ENVIRONMENTAL SPECS

Start Here

Workflow Instructions

For detailed instructions, reference the Alveo Sense Poultry Avian Influenza Test Instructions for Use (IFU).



1 Start a new test in the Alveo Sense Mobile App

Login and select test choice from menu. Tap Start a New Test.

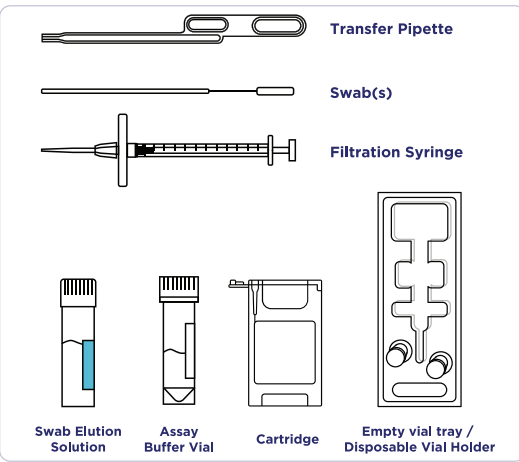
2 Add Testing Details and Pair Analyzer

Follow prompts in App to **Add Farm > Bird Details > Clinical Findings > Postmortem Findings**

- A. Add New or Select Existing Farm location
- B. Add Bird / Flock Details
- C. Add Clinical and Postmortem findings, if applicable
- D. Select Alveo Analyzer that will be used for testing
  - i. Tap **+Pair New Analyzer** or Select previously paired Analyzer for testing

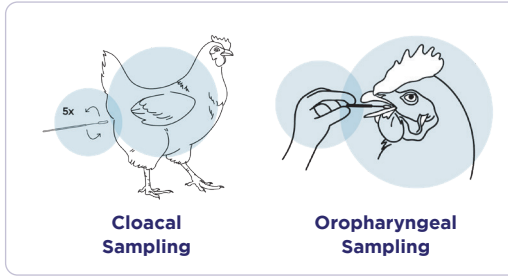
3 Gather Materials & Scan QR Code

Gather all materials and place on flat surface. Remove Cartridge from the pouch. Follow in-App prompts to scan Cartridge QR Code and confirm Cartridge details.



4 Collect the Sample

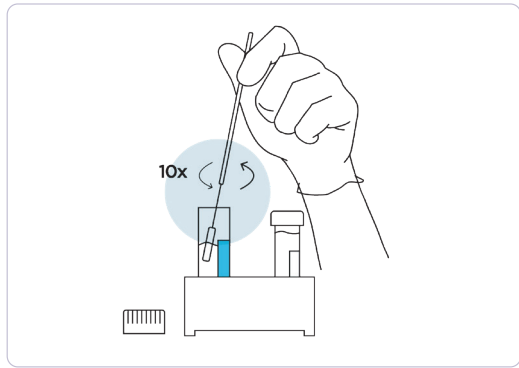
- A. Open swab immediately before use.
- B. Insert the swab into the sampling area (oropharynx **or** cloaca), rotate 5 times while pressed against the mucosa to collect the sample, and ensure mucosal material is visible on the swab.



**i** The test has been validated on sample pools up to 5 cloacal or 10 oropharyngeal individual bird swabs. Users are referred to local legislative requirements that may define any particular swab number pooling strategies.

5 Prepare the Sample

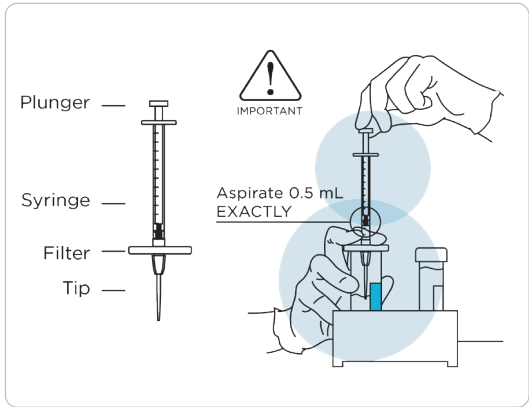
- A. Gather Swab Elution Solution Vial (blue label) and Assay Buffer Vial (white label) and place inside disposable vial holder. Remove cap of Swab Elution Solution (blue label).



- B. Insert swab into vial (blue label) and stir against wall of vial 10 times. Discard used swab.
- i** If pooling, stir each swab one at a time into the same Swab Elution Solution vial.

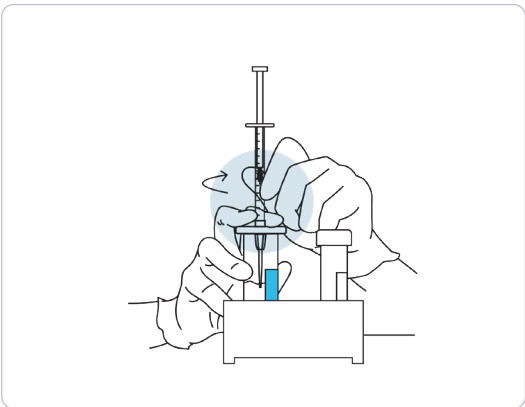
6 Aspirate Sample

**Review animation in App** and gather Filtration Syringe. Remove Filtration Syringe cap and insert the Tip into the Swab Elution Solution. Aspirate sample by pulling back the syringe plunger to collect **exactly 0.5mL** of fluid.

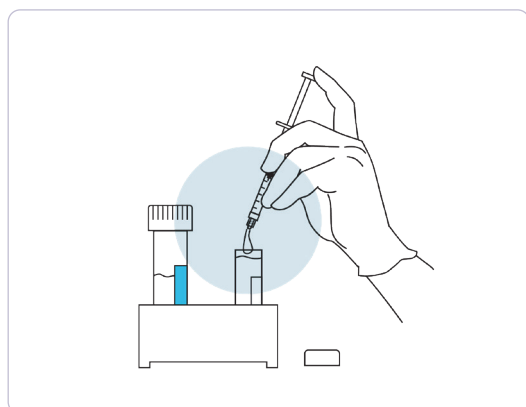


7 Dispense and Mix Sample with the Assay Buffer

- A. Unscrew Syringe to detach from Filter and re-cap Swab Elution Solution Vial (blue label).

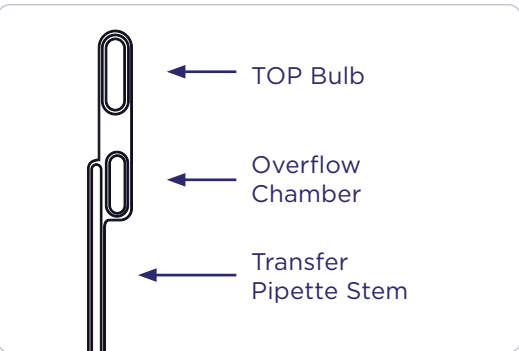


- B. Remove cap from Assay Buffer Vial (white label) and dispense the sample from the syringe into Assay Buffer Vial. Re-cap and invert 5 times gently to mix sample.

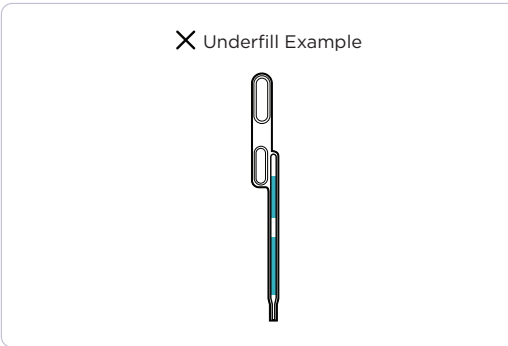
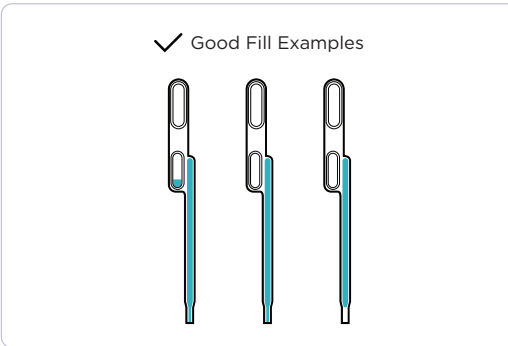


8 Collect Sample from Assay Buffer

- A. Obtain Transfer Pipette and remove cap from Assay Buffer Vial (white label).

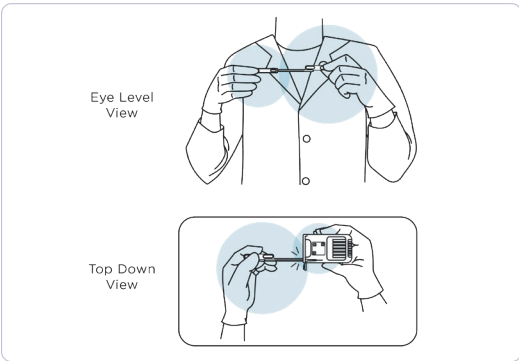


- B. Firmly squeeze the TOP bulb of Transfer Pipette and insert the tip into the Assay Buffer Vial until it reaches the bottom. Slowly release the top bulb to fill the Transfer Pipette. Ensure stem is filled completely and no air bubbles are present.



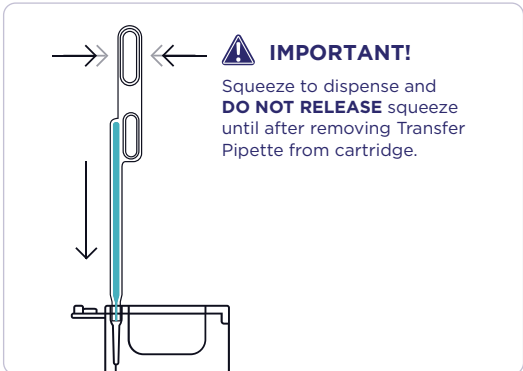
9 Transfer Sample into the Cartridge

- A. Orient Cartridge flat (horizontal) with QR code facing upwards, and firmly insert Transfer Pipette into sample port to form a strong seal between the Cartridge and the pipette.



- B. **IMPORTANT! Watch App Animation.** Keep firm inward pressure on Transfer Pipette and firmly squeeze the TOP bulb to dispense all the fluid from the stem into the Cartridge.

- C. Without letting go of the squeeze on the TOP Bulb, **carefully rotate the Cartridge to the upright orientation.**

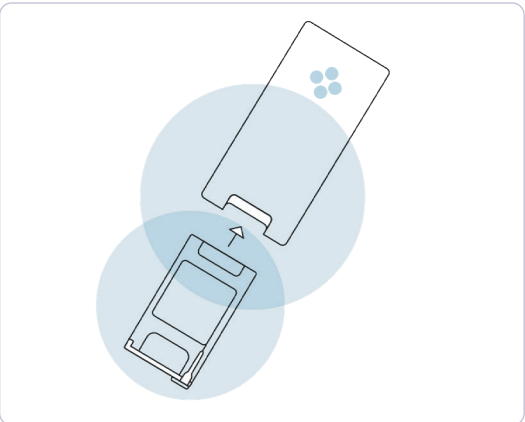


- D. Carefully remove Transfer Pipette from the Cartridge before releasing the TOP bulb to avoid filling issues.
- E. Close cap on Cartridge

**i** Visually inspect the Cartridge for bubbles. If >20% of the well volume contains bubbles, dispose of the Cartridge, collect a new sample, and start again.

10 Insert the Cartridge into the Analyzer

Ensure Analyzer is on a flat surface. When prompted by the App, fully insert Cartridge into the Analyzer.



**i** Ensure the 4 LED lights on the Analyzer change from solid to a circular pattern, indicating the test has started.

11 Interpreting Results

Monitor the App for Test Results. Result will display in the App after ~60 minutes. Refer to the Instructions for Use (IFU) for full interpretation of test results.

Key

|          |   |
|----------|---|
| POSITIVE | Positive; Target RNA is detected.   |
| NEGATIVE | Negative; Target RNA is not detected.   |
| INVALID  | Invalid; test result cannot be interpreted. Repeat test with new sample, if needed.   |
| CANCELED | Canceled; test result was canceled by user before result was reported. Any result reported for the other targets prior to cancellation will be available. |

**i** Discard the Cartridge and other used materials in a biohazard waste receptacle.

LED Indicator Lights

**Blinking Blue** lights indicate that the Alveo Analyzer has enough charge and is ready to pair with a mobile device.

**Solid Blue** lights indicate that the Alveo Analyzer is paired with a smartphone and you are ready to run a test.

**Spinning Blue** lights indicate that a test is in progress.

**Blinking Yellow** lights indicate that the Alveo Analyzer has insufficient battery. Connect to a power source.

**Spinning Yellow** lights indicate that the Alveo Analyzer has insufficient battery and is charging.

**Solid Red** lights indicate that the Alveo Analyzer is in an error state. Reset the Alveo Analyzer to clear error state.

How to reset the Alveo Analyzer

You will have to reset the Alveo Analyzer when the LED indicator lights turn red.

To reset, hold the power button down for 10 seconds and release.

You may reset the Alveo Analyzer up to three times to turn the red lights back to blue or yellow, depending on charge.

If the lights are still red after three resets, contact Alveo Support.