

FGIS Procedure

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Consumable kit reorder number: 176003991

- Warm up the strips to room temperature 20–25 °C (68–77 °F) for 20 minutes or longer before using.
- Preset the incubator at 30 °C.
- Do not open the strip pouch until ready to use the strip.

1 Calibrate the Vertu reader by scanning in the Afla-V FGIS barcode for the specific commodity and the lot of strips being used.



5 Transfer 100 µL mixture to the Afla-V strip in the incubator by dropping vertically into the sample well. Close the incubator lid and develop exactly 5 minutes.



2 Weigh 50 g ± 0.2 g ground sample into a blender jar. Add 250 mL AQUA premix to the blender jar.



6 Insert the Afla-V strip into the Vertu. Press the center key to take a reading. To print, use the arrow keys to move the cursor to "P" and press the center button.



3 Blend at maximum speed for 1 min. Filter the extract into a clean tube for no more than 5 min.



7 If the reader displays ">Range", transfer 100 µL of extract into a new strip test vial and add 900 µL of AQUA premix. Mix well by vortexing. Repeat step 4–6. Multiply the displayed result by 10 to obtain the true level of contamination.

4 Add 100 µL of Afla-V diluent to a strip test vial. Add 100 µL of the filtered extract to the vial, cap, and mix well by vortexing.



8 To run the next sample, use the arrow keys to move the cursor to "NT" and press the center button on the keypad.



Strips must be stored at 2–8°C (36–46°F)
Store AQUA Premix at room temperature
Limit of Detection: 5 ppb
Range: 5–50 ppb (1st strip), 50–300 ppb (2nd strip)

For detailed instruction guide, please visit vicam.com/aflatoxin-test-kits

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