

Procedure for Grain

Consumable kit reorder number: 176002071

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

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



5 Transfer 100 µL of filtered extract to the Afla-V strip by dropping (~1 drop/second) vertically into the sample well. Allow the strip to develop for 5 minutes on a flat surface.



2 Weigh 5 g ± 0.1 g ground sample into extraction tube. Add 25 mL 70% MeOH to extraction tube.



3 Vortex at maximum speed for 2 minutes. Filter the extract into a clean tube for no more than 5 minutes.



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



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.



7 If the reader displays ">Range", dilute filtered extract by pipetting 400 µL of 70% MeOH to a new strip test vial. Then, using the same tip, add 100 µL of the filtered extract to the vial and mix well by vortexing



8 Repeat steps 4–6 with the diluted extract and multiply the displayed result by 5 to obtain the true level of contamination.

9 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 70% MeOH at room temperature

Limit of Detection: 2 ppb

Range: 0–40 ppb (1st strip),
40–100 ppb (2nd strip with dilution)

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

Orders:
Tel: +1-877.228.4244
+1-417.725.6588
Email: orders@vicam.com

Technical Support:
Tel: +1.800.338.4381
+1.508.482.4935
Email: techservice@vicam.com

