

Room Temperature Method

See table below for consumable kit reorder number

- Use strips at room temperature 20–25 °C (68–77 °F).
- Bring the strip to room temperature if necessary.
- Do not open the strip pouch until ready to use the strip.

1

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



5

Transfer 100 µL of diluted extract into a strip test vial, add 100 µL of **DON-V diluent**, and mix well by vortexing.



2

Weigh 5 g ± 0.1 g ground sample into extraction tube. Add 20 mL purified water to extraction tube.



6

Transfer 100 µL of diluted extract to the DON-V strip by dropping (~1 drop/second) vertically into the sample well. Allow the strip to develop for 3 minutes on a flat surface (**for light DDGS, allow the strip to develop for 5 mins**).



3

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



7

Insert the DON-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.



4

Add 1 mL of purified water to a strip test vial. Then, add 100 µL of the filtered extract to the vial. Cover and mix well by vortexing (**for light DDGS, add 600 µL of purified water to a strip test vial then add 100 µL of filtered extract**).



8

If the reader displays "**>5 ppm**", transfer 100 µL of diluted extract from Step 4 into a new strip test vial and add 100 µL of purified water. Then, add 200 µL DON-V diluent. Mix well by vortexing. Repeat step 6–7 and multiply the displayed result by 2 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 2–30 °C (36–86 °F)

Range: 0–5 ppm (1st strip), 5–10 ppm (2nd strip with dilution)

Sample Type	Barcode*	LOD	Reorder #
Grain*	V	0.2 ppm	176002072V
DDGS	DDGS	0.5 ppm	176002072DG

* Grain: Barley, Malted Barley, Corn Sorghum, Wheat



Scan barcode to download the Strip Test Reference Guide

For additional information, please visit vicam.com/docs/vertu-strip-test-reference-guide

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

715006797 Rev A IH

©2024 Waters Corporation. Waters, DON-V, VICAM, and VERTU are trademarks of Waters Corporation.

WatersTM | **VICAM**TM

www.vicam.com