

Vertu TOUCH Room Temperature Method

Consumable kit reorder number: 176005187C

- 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

To calibrate the Vertu TOUCH reader:

- ▶ Scan the DON-V (C) barcode for the lot of strips being used.

[Barcode remains stored in Vertu TOUCH reader for future use.]



5

- ▶ Using a new tip, add 100 µL of **DON-V diluent** into a new strip test vial.
- ▶ Transfer 100 µL of diluted extract into the second strip test vial. Cover and mix well by shaking 3 times.



6

- ▶ Transfer 100 µL of extract from step 5 to the DON-V strip by dropping (~1 drop/second) vertically into the sample well.
- ▶ Allow the strip to develop for exactly 3 minutes on a flat surface.



7

While strip test develops, enter the sample ID into Vertu TOUCH reader.

- ▶ Fully insert the DON-V strip into the Vertu TOUCH (the round opening in first)
- ▶ Press **[Start Measurement]** key on touch screen to read result.



8

- ▶ Press **[Print]** to print the result.
- ▶ Press **[Same Barcode]** to run the next test using the same lot of strips.
- ▶ Press **[Change Barcode]** to change the method or lot of strips being used.



9

If the reader displays "**>5 ppm**", transfer 100 µL of the **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 shaking 3 times. Repeat step 6–7 and multiply the displayed result by 2 to obtain the true level of contamination.

2

- ▶ Weigh 5 g ± 0.1 g finely ground sample into Vertu PREP tube.
- ▶ Add 20 mL of purified **water** to Vertu PREP tube.
- ▶ Close the lid, shake briefly to suspend all sample into liquid.



3

- ▶ Set Vertu PREP mixer timer for 30 seconds. Push down and twist to lock in place; the mixer will start and stop automatically.
- ▶ Pour the extract into a V-Filter with cup for no more than 5 minutes.



4

- ▶ Add 1 mL of purified **water** to a strip test vial.
- ▶ Add 100 µL of the filtered extract to the vial.
- ▶ Cover and mix well by shaking 3 times.



Scan barcode to download the Strip Test Reference Guide

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

Strips should be stored at 2–30 °C (36–86 °F)

Limit of Detection: 0.2 ppm for grain
(Wheat, Barley, Malted Barley, Corn, Sorghum)

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

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