

Aqua Method

Consumable kit reorder number: 176004429

- Warm up the strips to room temperature 20–25 °C (68–77 °F) for 20 minutes or longer before using.
- Preset the incubator at 40 °C.
- Do not open the strip pouch until ready to use the strip.

1 Place DON-V™ strip into the incubator at 40 °C and close the lid. Incubate strip for 2–10 minutes. This can be started while doing the sample extraction and filtration.



5 Pipette 100 µL of extract to the sample well on the DON-V strip at 1 drop/second, close the lid, and wait for the strip to develop for exactly 5 minutes, leaving it inside the incubator.



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



6 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.



3 Weigh 5 g ± 0.1 g ground sample into extraction tube. Add 25 mL AQUA Premix to extraction tube.



7 If the reader displays ">Range", dilute filtered extract by pipetting 400 µL of AQUA Premix to a new strip test vial. Then, add 100 µL of the filtered extract to the vial and mix well by vortexing.

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



8 Repeat steps 1, 5 and 6 with the diluted extract and multiply the displayed result by 4 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 AQUA Premix at room temperature
Limit of Detection: 0.25 ppm
Range: 0–4 ppm (1st strip),
4–16 ppm (2nd strip with dilution)
For detailed instruction guide, please visit
vicam.com/don-test-kits/don-v



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