

# FGIS Procedure

Consumable kit reorder number: 176004113

- 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 TOUCH by scanning in the DON-V AQUA Vertu TOUCH barcode \* for the specific commodity and the lot of strips being used. [Barcode remains stored in Vertu TOUCH reader].



5

Place DON-V strip cassette into incubator. Cover with lid and incubate for 2 minutes.



2

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



6

Transfer 100 µL diluted extract to the DON-V strip by dropping vertically into the circular opening, close the incubator lid, and develop exactly 5 minutes.



3

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



7

While the strip test develops, enter the sample ID into the Vertu TOUCH reader. When the 5 minutes has ended, fully insert the DON-V strip into the Vertu TOUCH (the round opening in first) Press [Start Measurement] on TOUCH screen.



4

Add 500 µL of AQUA solution and 100 µL of the filtered extract to a strip test vial, cap, and mix well by vortexing.



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 display shows >Range, press [Change barcode] to scan or select the High Range barcode DON-V G for wheat or DON-V I for corn for the lot being used. Transfer 100 µL of diluted extract from Step 4 into a new strip test vial. Add 1000 µL of AQUA solution. Mix well by vortexing. Repeat steps 5–8, using this twice diluted extract.

Strips must be stored at 2–8 °C (36–46 °F)

Limit of Detection: 0.5 ppm

Range: 0.5–5 ppm (1st strip), 5–30 ppm (2nd strip with second dilution)

\* DON-V F: the low range wheat method.

DON-V G: the high range wheat method.

DON-V H: the low range corn method.

DON-V I: the high range corn method.

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