

QuickGuide

AQ-304-BG

DON Flex

Extended Dilution: 2 - 30 ppm

SAMPLE PREPARATION

IF YOU HAVE ALREADY CREATED AN EXTRACT FOR BASE RANGE TESTING, THAT SAME EXTRACT MAY BE USED IN STEP 5; OTHERWISE BEGIN AT STEP 1

Make sure Strips, Buffer and water are at room temperature before testing

Set Incubator at 22°C

Have a separate dilution vessel and extra pipette tips ready (*not included in kit; available through EnviroLogix as accessories*)

* distilled, deionized, or bottled water



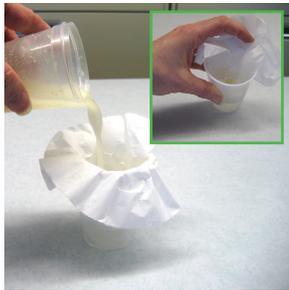
1. Collect and grind representative sample such that $\geq 95\%$ passes through a 20 mesh sieve



2. Weigh out and add a 20-50 gram sub-sample to container, then add 5 mL/g of water* (eg: 250 mL for 50g sample)

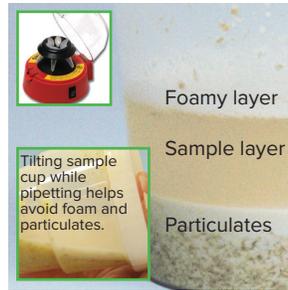


3. Seal/cover container and shake on mechanical shaker (or vigorously by hand) for 30 seconds

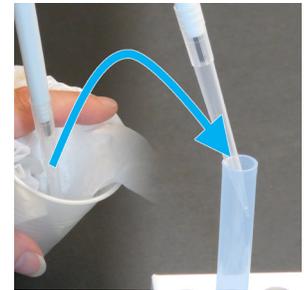


- 4a. Filter extract using approved coffee filter into a clean vessel; move filter aside to access the filtered extract

~OR~



- 4b. Alternatively, sample may be centrifuged (30 sec) or allowed to settle into layers - avoid foamy layer and particulates when drawing up sample



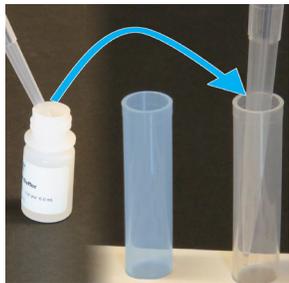
5. In a separate vessel, dilute extract with water* 1:8, for example, 100 μ L sample extract to 700 μ L water (measure carefully!)

TEST PROCEDURE

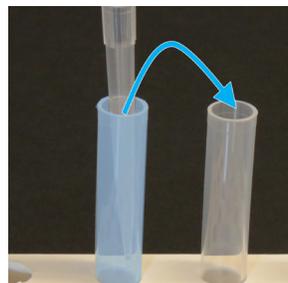
(more detailed instructions in the Product Insert)

Ensure Incubator has reached 22°C

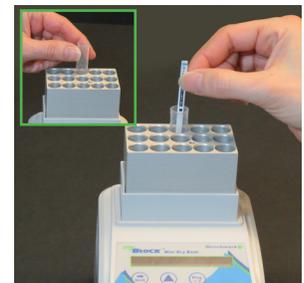
*Note: acclimation is only required when the ambient temperature is unknown or outside of 20-24°C (68-75°F)



7. Using a new tip, add 100 μ L Buffer to the clear testing tube



8. Transfer 100 μ L of Step 5's diluted extract from the dilution vessel to the clear tube; stir well with pipette tip



9. Place clear tube in Incubator and acclimate for 2 min.*, then add QuickTox Strip; wait 2 minutes for results

QuickScan TEST RESULTS

(more detailed instructions in the QuickScan User Manual)

9. Remove strip from vial immediately after the 2 minute test time. Cut off and discard bottom pad with arrow tape. (No drying step!)

10. Place in the QuickScan carrier and slide carrier in. Click "Read Test" on Main Menu. Results Screen will appear when scanning is complete.

11. **Select "1:A" from Dilution tab pulldown menu.** Extended Dilution results are reported between 2 and 30 ppm. Enter sample identification data and use buttons to save or print report.