QuickGuide
AQ-311-BG

Fumonisin Flex
High Positive: 7-30 ppm

SAMPLE PREPARATION

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

Ground too coarse = improper extraction

Ground too fine = extract may require longer settling time

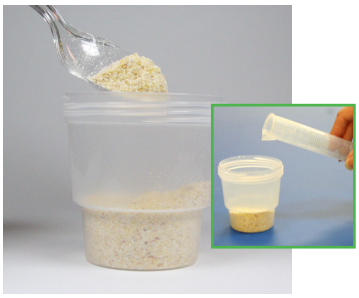
TEST PROCEDURE

(more detailed instructions in the Product Insert)

*use distilled, deionized, or bottled (non-carbonated) water

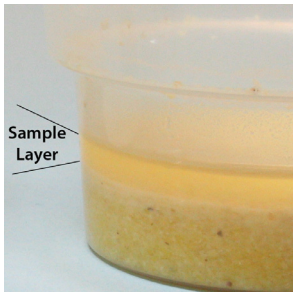
Note: 2 different pipettes:
- 1 mL adjustable
  Note: set to 833, then 3 transfers of DB6= 2.5 mL
- 50 µL MiniPet

Set out 2 tubes:
- blue one for mixing,
- clear one for testing

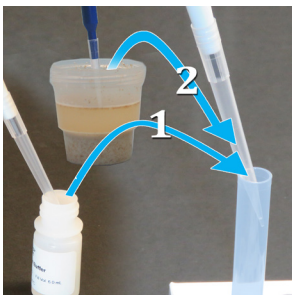


2. Add a 20 or 50 gram subsample to container, then add 5 mL of water* per gram of sample

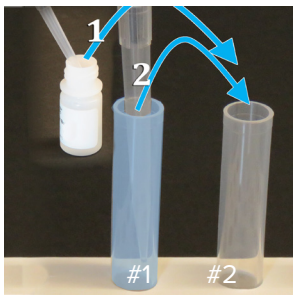
3. Shake 1 minute on mechanical shaker (>300 rpm) or vigorously by hand for 2 minutes



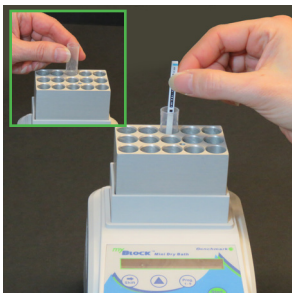
4. Allow to settle into two layers (sample taken from top layer).



5. Using pipette and new tip, add 2.5 mL of DB6 Buffer to the first tube (blue dilution tube); then using the MiniPet and new tip, add 50 µL extract to the first tube. Mix by pipetting up and down 5-10 times.



6. Using MiniPet with a new tip, add 150 µL (3 transfers) of DB6 Buffer to the second (clear) tube; then transfer 50 µL of mixed sample from the first (blue) tube into the clear tube and mix.



7. Place tube in Incubator and acclimate for 2 min.*, then add QuickTox Strip; wait 5 minutes for results. **Note: acclimation is only required when ambient temperature is unknown or outside of 20-24°C (68-75°F)*

QuickScan TEST RESULTS

(Read single strip(s) alone or along with a QuickComb--more detailed instructions in the QuickScan User Manual)

8. Remove strip from vial immediately after 5 minutes. Cut off and discard bottom pad with arrow tape. (No drying step!)

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

10. **Select "1:B" from Dilution tab pulldown menu** on the Results Screen. High Positive results are valid between 7 and 30 ppm. Enter sample identification data and use buttons to save or print report.

ENVIROLOGIX