QuickTox Kit for QuickScan
AQ-211-BG

QuickGuide

Fumonisin Flex
for corn and corn flour

Sample Preparation

Collect and grind a representative sample to a 20 mesh screen size

Ground too coarse = improper extraction

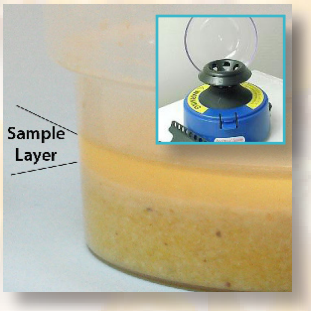
Ground too fine = extract may require longer settling time

Test Procedure
(more detailed instructions in the Product Insert)

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

1. Add a 20 to 50 gram sub-sample to container, then add 5 mL of water* per gram of sample

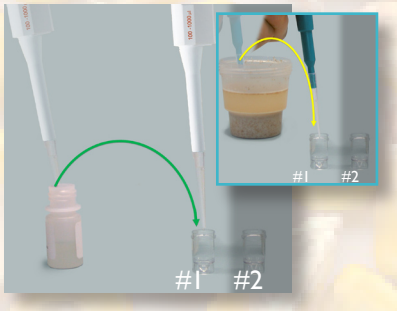
2. Shake 1 minute on mechanical shaker or by hand for 2 minutes



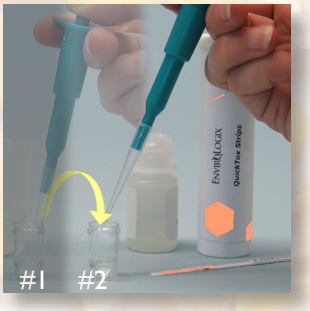
3. Corn: Allow to settle into two layers (sample taken from top layer). Corn flour: centrifuge 1 min.

Note: 2 different pipettes

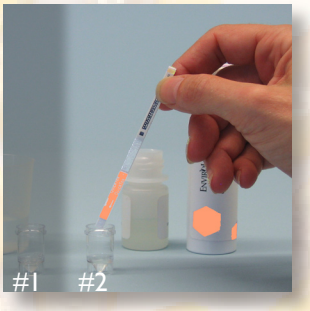
Set out 2 vials, one for mixing, one for testing



4. Using pipette and new tip, add 1.5 mL of DB6 Buffer to the first vial (dilution vial); then using the MiniPet and new tip, add 200 µL extract to the first vial. Mix by pipetting up and down 5-10 times.



5. Transfer 200 µL of the mixed sample from the first vial (dilution vial) into the second vial (reaction vial)



6. Place the QuickTox Strip in the reaction vial; wait 5 minutes for results

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

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

8. Place in the QuickScan carrier and slide carrier in. Click "Read Test" on Main Menu. Fumonisin results are reported between 0.2 ppm and 3 ppm. (A simple dilution step will yield quantitative results up to 18 ppm -- see Product Insert)

9. Results Screen will appear when scanning is complete. Enter sample identification data and use buttons to save or print report.