

QuickGuide

QuickTox Kit for QuickScan - Fumonisin

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

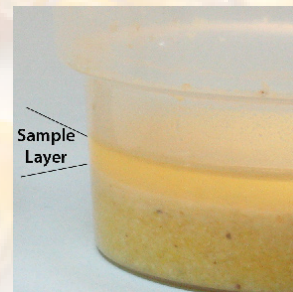
(more detailed instructions in the Product Insert)



1. Add a 20 to 50 gram sub-sample to container, then add 2 mL/g of 50% ethanol



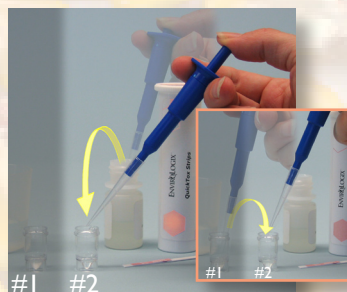
2. Shake 1 minute on mechanical shaker or by hand for 1½ - 2 minutes



3. Allow to settle into two layers (sample is taken from top layer) and set out two vials



4. Using pipette and new tip, add 100 µL 50% ethanol, then 100 µL extract to the first vial (dilution vial) and mix; discard pipette tip.



5. With a new tip, add DB2 Buffer to the second vial (reaction vial). Then transfer diluted sample from dilution vial to the reaction vial and mix well with pipette tip.



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 6 ppm.

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