## QuickGuide - Corn Flour QuickTox Kit for QuickScan Aflatoxin FREE

**Sample Preparation** 



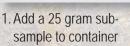
Collect a representative sample according to your own sampling plan or USDA/GIPSA guidelines.



Corn flour does not need to be ground further.

Mix ground material thoroughly before sub-sampling.

Test Procedure for 25g sample (more detailed instructions in the Product Insert)





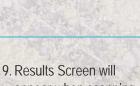
2. Add 50 mL of 50% ethanol



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



6. Stir <u>well</u> with pipette, then add test strip; wait <u>5 minutes</u> for results



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



4. Centrifuge a portion of extract for **1 minute** at 2000 x g (NOT RPM).

5. Add **200 µL** DB5 Buffer to vial, then using a new

- to vial, then using a new pipette tip, add **100 µL** centrifuged sample to vial
- 8. Place in the QuickScan carrier and slide carrier in. Click "Read Test" on Main Menu, then choose MG8. Aflatoxin results are reported up to 30 ppb. (A simple dilution step will yield quantitative results up to 100 ppb -- see Product Insert, Range with Dilution)

QuickScan Test Results (Read single strip, multiple

strips, or single strip 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 and read promptly. (No drying step!)

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