

QuickGuide - DDGS

QuickTox Kit for **QuickScan**

Aflatoxin **FREE**
AQ-209-BG

Sample Preparation



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



Grind samples to pass through a 20 mesh sieve.

Mix ground material thoroughly before sub-sampling.

Test Procedure for 25g sample

(more detailed instructions in the Product Insert)



1. Add a 25 gram sub-sample to container



2. Add **100 mL** of 50% ethanol



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



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



5. Add **100 µL** DB5 Buffer to vial, then using a new pipette tip, add **100 µL** centrifuged sample to vial



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

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!)

8. Place in the QuickScan carrier and slide carrier in. Click "Read Test" on Main Menu. 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)

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