

SAMPLE PREPARATION



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



2. 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)

Ensure Incubator has reached 22°C

*Note: acclimation is only required when the ambient temperature is unknown or outside of 20-24°C (68-75°F)



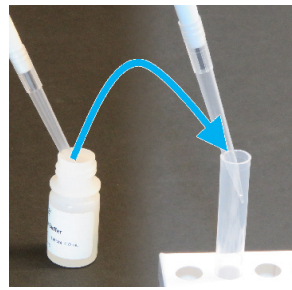
3. Add 25g subsample and 100 mL of 50% ethanol; cap tightly



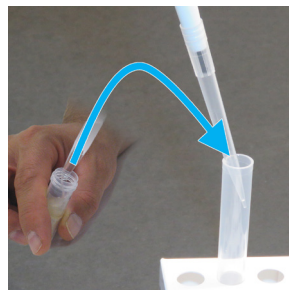
4. Shake for 1 minute on a mechanical shaker (or vigorously by hand for 2 minutes)



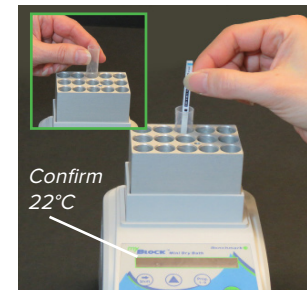
5. Centrifuge a portion of extract for 1 minute at 2000 x g (NOT RPM).



6. Add 100 µL Buffer to tube



7. Transfer 100 µL of the clarified extract to the tube; stir well with pipette tip



8. Place tube in Incubator and acclimate for 2 min.*, then add QuickTox 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)

9. Remove strip from tube immediately after 5 minutes. Cut off and discard bottom pad with arrow tape and read promptly. (No drying step!)

10. Place in the QuickScan carrier and slide carrier in. Click "Read Test" on Main Menu and choose matrix group "MG2". Aflatoxin results are reported up to 30 ppb. (Dilution steps will yield quantitative results up to 300 ppb; see Product Insert, Range with Dilution or M242D)

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