

# QuickGuide

## QuickTox Kit for QuickScan

## - Zearalenone Wheat, Wheat Bran, Sorghum

### 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 gram sub-sample to container



2. Add 3 mL/gram of 50% ethanol (example: 60 mL for 20 gram sample)



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



4. Take a portion of extract and centrifuge for 30 seconds at 2000 x *g* (NOT RPM) - follow centrifuge manufacturer's instructions



5. Add 100  $\mu$ L Buffer to vial, then using a new pipette tip, add 100  $\mu$ L sample to vial - stir well with pipette



6. 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. (No drying step!)

8. Place in the QuickScan carrier and slide carrier in. Click "Read Test" on Main Menu. Zearalenone results are reported between 50 ppb and 520 ppb.

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