

QuickTox™ Kit for QuickScan - DON3

AQ-254-BG

QuickGuide

#11176

Sample Preparation

Wheat gluten protocol is different - use QuickGuide M182A

Make sure Strips, Buffer and water are at room temperature before testing



1. Collect and grind representative sample to a fineness of 20 mesh per Product Insert instructions



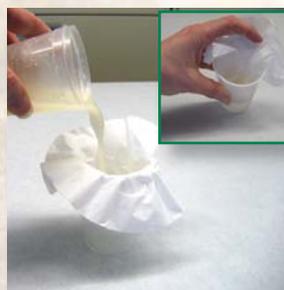
2. Add a 20-50 gram sub-sample to container, then depending on commodity, add 4, 5 or 6 mL/gram room temperature bottled/distilled/deionized water (eg: DDGS, 20 grams x 4 = 80 mL)

How much water?

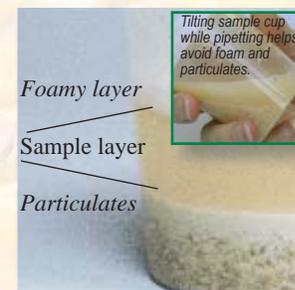
- 4X: Corn gluten meal/feed, wheat flour, malted barley, DDGS, whole rye
- 5X: Corn, corn flour/germ, wheat, wheat bran/midds/gluten, rough rice, barley, soybean meal
- 6X: Oats, white wheat flour, milled rice, sorghum



3. Shake on mechanical shaker (or vigorously by hand) for 30 seconds. (Oats & white wheat flour, shake for 1 minute.)



4. Filter extract using approved coffee filter into a clean vessel; move filter aside to access the filtered extract



4. Alternatively (corn & wheat only) allow to settle into layers - avoid top foamy layer and particulates when drawing up sample

Test Procedure

(more detailed instructions in the Product Insert)

Set out two vials: one for mixing, one for testing



200 µL MiniPet
Teal/blue-green color



5. Add 800 µL Buffer to vial, then using a new pipette tip, add 200 µL sample; stir well with pipette tip



6. Transfer 200 µL of mixed sample to the second reaction vial used for testing



7. Add the QuickTox Strip; wait 3 minutes for results

QuickScan Test Results

(more detailed instructions in the QuickScan User Manual)

8. Remove strip from vial immediately after 3 minutes. Cut off and discard bottom pad with arrow tape. (No drying step!)

9. Place in the QuickScan carrier and slide carrier in. Click "Read Test" on Main Menu. Results are reported between 0 and 12 ppm.

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