QuickTox™ Kit for DON3 (AQ-254-BG)
Cat. # GX11176
Illustrated Guide

Sample Preparation

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

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 (e.g.: DDGS, 20 grams x 4 = 80 mL)

Test Procedure

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

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

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

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

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

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

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

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
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Results

7. Remove strip from vial immediately after 3 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. Results are reported between 0 and 12 ppm.

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

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