QuickGuide AQ-311-BG

Fumonisin Flex DDGS - High Positive: 7-30 ppm

SAMPLE PREPARATION

IF YOU HAVE ALREADY CREATED AN EXTRACT FOR BASE RANGE TESTING, THAT SAME EXTRACT MAY BE USED IN STEP 5; OTHERWISE **BEGIN AT STEP 1**



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



Grind samples such that ≥95% passes through a 20 mesh sieve.

Mix ground material thoroughly before sub-sampling.

TEST PROCEDURE

(more detailed instructions in the Product Insert)

⁺Accessory available through EnviroLogix

Note: 2 different pipettes: -1 mL adjustable - 50 µL MiniPet

Set out 2 tubes: - blue one for mixing,

- clear one for testing

QuickScan **TEST RESULTS**

(Read single strip(s) alone or along with a QuickComb--more detailed instructions in the QuickScan User Manual)



2. Add a 20 or 50 gram subsample to container, then add 5 mL of EB18⁺ per gram of sample



- 5. Using 1 mL pipette and new tip, add 2.5 mL of DB6 Buffer to the first tube (blue dilution tube); then using the MiniPet and new tip, add 50 µL extract to the first tube. Mix by pipetting up and down 5-10 times using the 1 mL pipette.
- 8. Remove strip from vial immediately after 5 minutes. Cut off and discard bottom pad with arrow tape. (No drying step!)

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



- Using an additional new tip⁺, add 150 μ L DB6 to the clear reaction tube. Next, transfer 50 µL of the mixed sample from the dilution tube (blue) into the reaction tube (clear) and mix.
- 9. Place in the QuickScan carrier 10. Select "1:B" from Dilution and slide carrier in. Click "Read Test" on Main Menu. Results Screen will appear when scanning is complete.



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



- 7. Place tube in Incubator and acclimate for 2 min.*, then add QuickTox Strip; wait 5 minutes for results. *Note: acclimation is only required when ambient temperature is unknown or outside of 20-24°C (68-75°F)
 - tab pulldown menu on the Results Screen. Base range results are valid between 7 and 30 ppm. Enter sample identification data and use buttons to save or print report.

