

RAPID QUANTITATIVE TESTS FOR MYCOTOXINS

AuroFlow™ AQ Strip Tests

- Rapid, water-based extraction
- Quantitative results in 4-6 minutes
- Increased accuracy with the QuickSTAR™ Horizon™ Strip Reader
- AuroFlow AQ Afla Strip Test Certified USDA FGIS 2019-121



The AuroFlow AQ mycotoxin panel is rapid quantitative lateral flow assays designed to detect total aflatoxin (B_1, B_2, G_1 and G_2), zearalenone, fumonisin, ochratoxin a, and T-2/HT-2. These kits utilize an environmentally-friendly water based extraction method, and is compatible with corn and wheat. Designed for rapid field or reference laboratory settings, the AuroFlow AQ mycotoxin panel brings accuracy and precision to any environment.

Sensitivity

Analyte	Sample Type	Detection Limit
Aflatoxin	Corn	2-300 ppb
DON	Corn and Wheat	0-30 ppm
Zearalenone	Corn and Wheat	25-1000 ppb
Fumonisin	Corn	0-30 ppm
Ochratoxin A	Wheat	2-100 ppb
T-2/HT-2	Corn and Wheat	50-500 ppb



QuickSTAR HORIZON

The QuickSTAR™ Horizon™ Strip Test Reader is a patented ruggedized handheld lateral flow testing system that

- Provides rapid quantitative results;
- Features a rechargeable lithium battery;
- Uses a color touchscreen menu driven interface;
- Provides users test results in seconds.

The unit is compatible with a wide array of pre-programmed test types, and is software upgradeable to accommodate additional kits.

AuroFlow™ AQ Strip Test Workflow

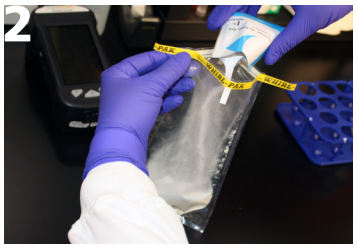
Note: Please read kit manual in its entirety before performing test.

1



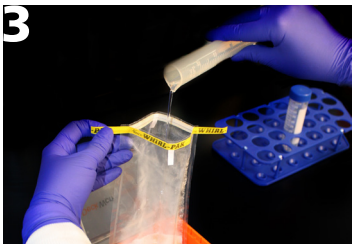
Power on and calibrate the reader with supplied Lot ID calibration codes.

2



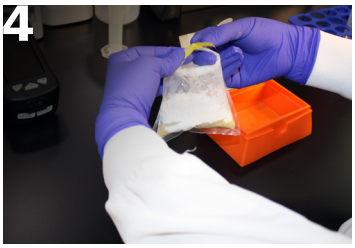
Combine 10 g of ground sample and contents of one AQ Powder Pack into an extraction bag.

3



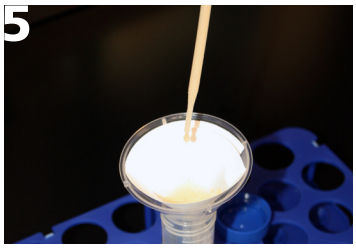
Add 37 mL distilled or deionized water into the bag.

4



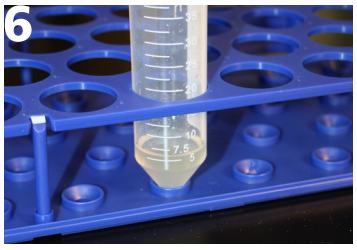
Seal the bag, then shake for 1 min 30 sec.

5



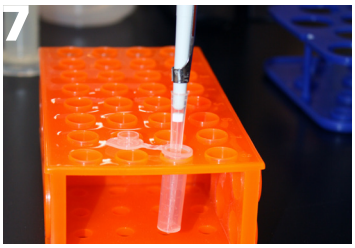
Transfer 10 mL of liquid extract into the assembled filter funnel.

6



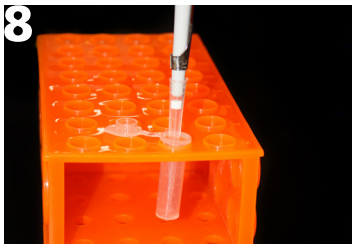
Allow the sample to filter until approximately 2-3 mL of filtrate has been collected.

7



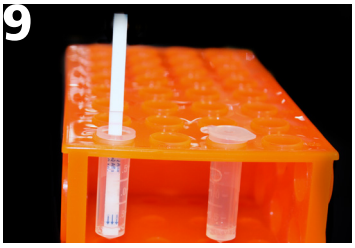
Add Running Buffer to a clean capped tube.

8



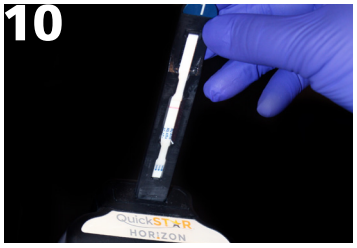
Add Sample Extract to the capped tube and shake to prepare the Sample Mix.

9



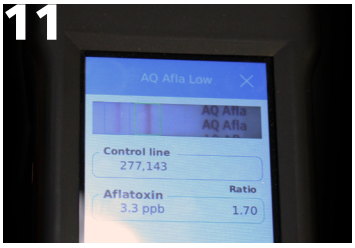
Transfer 150 µL of Sample Mix to the appropriate capless tube and add a new test strip.

10



Insert strip into the cassette and place in reader.

11



The reader will automatically record a result and display the results on the screen.

ORDERING INFORMATION

PRODUCT	CATALOG #	QTY
AuroFlow AQ Afla Strip Test	FOOD-1413-01	25 strips
AuroFlow AQ DON Strip Test	FOOD-1414-01	25 strips
AuroFlow AQ Zearalenone Strip Test	FOOD-1415-01	25 strips
QuickSTAR Horizon Strip Reader	FOOD-6006-01	1 unit

PRODUCT	CATALOG #	QTY
AuroFlow AQ Fumonisin Strip Test	FOOD-1416-01	25 strips
AuroFlow AQ Ochratoxin A Strip Test	FOOD-1417-01	25 strips
AuroFlow AQ T-2/HT-2 Strip Test	FOOD-1418-01	25 strips

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