

# Charm EZ-M<sup>®</sup>

Charm EZ-M System—Rapid Mycotoxin Testing in Feed and Grain



# Charm EZ-M Superior Science

Testing with the Charm EZ-M system is both rapid and easy, and can be performed at the point of receiving, eliminating testing in a laboratory setting.

Facilities do not need to accept untested materials that may contain unacceptable levels of mycotoxins. By screening grains as they are received, food manufacturers can be assured that raw materials are of acceptable quality.

- ✓ **Testing with Combined Incubator/Reader**
  - Analyzes test strip automatically once the incubation is complete
- ✓ **Read-only Mode for Sample Batching**
  - External incubation with multiple ROSA quad incubators for high volume users
- ✓ **Touch-Screen**
  - Streamlines operation by giving the user the ability to quickly enter and select appropriate information
- ✓ **Printable or Downloadable Results**
  - Backs up 8000 test results to internal memory, and the SD card stores over 100,000 test results
  - Transmits results to a PC wirelessly or by using a standard USB cable, or to a LIMS network over Ethernet
  - Exports to Excel for analysis

The **Charm EZ-M** system instantly identifies test strip color and automatically adjusts incubation time, temperature, and test calibration to match.

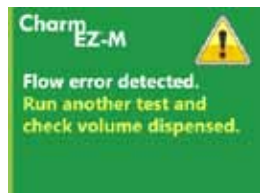


## Automated Testing to Reduce Error

For single sample testing, the Charm EZ-M system can be used as a combined incubator and reader.

During incubation, the Charm EZ-M system performs self-diagnostics and will prompt the operator if any of these conditions occur:

- The sample volume is incorrect
- The strip has already been run
- The lens needs cleaning
- The door has been opened during assay incubation

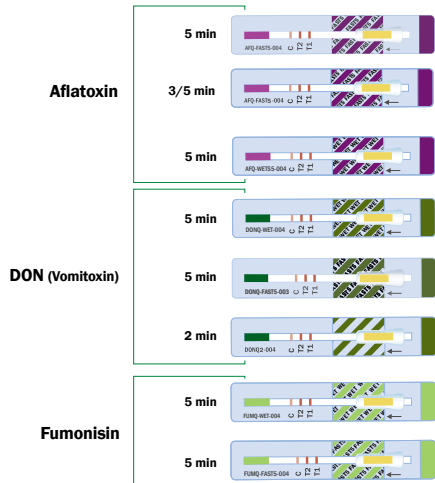


# Maximize Your Investments:

**One Instrument, Multiple Tests<sup>A</sup>:** The Charm EZ-M system's unprecedented versatility allows for a variety of different mycotoxin tests to be run with a single instrument.

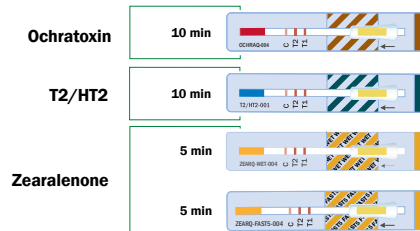
## Test Family

## Test Strips



## Test Family

## Test Strips



## Test Type

### Quantitative:

Accurately determines mycotoxin concentration.

### FAST Quantitative:

Test results in 3 or 5 minutes.

### WET<sup>®</sup> Quantitative:

Water is used for the extraction solvent, not ethanol or methanol. This enables negative tests to be discarded in regular waste.

<sup>A</sup>For most recent products and details, please contact Charm Science, Inc

# Instrument Overview



# Multilingual

Two languages can be configured on each Charm EZ-M system and the operator can switch between languages.



## Specifications & Order Codes

Specifications	<b>Unit Dimensions:</b>	17 x 16.4 x 7 cm (W x H x D)
	<b>Weight:</b>	0.5 kg
	<b>Screen Dimensions:</b>	5.6 x 7.3 cm (W x H)
	<b>Screen Display:</b>	64 bit, LED backlighted color 8.9 cm display
	<b>User Interface:</b>	Touch Screen
	<b>Power Source (AC):</b>	12 V DC Adapters for 110 V / 60 Hz or 220 V / 50 Hz
	<b>Auto Adapters:</b>	12 V DC and 24 V DC (with converter)
	<b>Calibration:</b>	Factory Set (controls available for verification)
	<b>Memory Capacity:</b>	100,000 Tests
	<b>Data Port:</b>	USB and SD card slot
	<b>Data Output:</b>	Test ID, Sample ID, Operator ID, Test Result, Temperature, Date and Time

Order Codes	<b>Order Codes:</b>	<b>Contains:</b>
	<b>LF-ROSA-EZ-M</b>	Charm EZ-M system
	<b>PWR-AUTOCRD</b>	Power Adapter
	<b>PWR-CON-24/12</b>	Power Converter
	<b>PRN-THERM-CITIZEN</b>	Thermal Citizen Printer



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