

Charm  
EZ-M



## Charm EZ<sup>®</sup>-M System

Combined Incubator and Reader in One

## 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

## Automated Analysis in Feed and Grain

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

## Technology Designed to Support Your Quality Management System

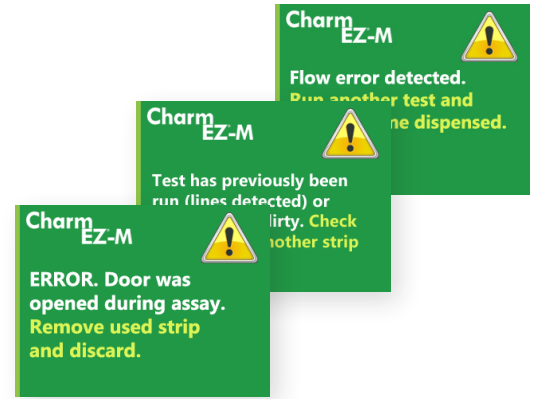


# Automated Analysis to Reduce Error

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



## Data Analytics

### 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
Aflatoxin	3 min AFL-METS-004	Ochratoxin	10 min OCHR-004
	5 min AFL-METS-004	T2/HT2	10 min T2/HT2-004
	3/5 min AFL-FAST-004	Zearalenone	5 min ZEAR-FAST-004
	10 min AFL-ETM-004		5 min ZEAR-FAST-004
DON (Vomitoxin)	5 min DON-METS-004		10 min ZEAR-ETM-004
	5 min DON-FAST-004	Test Type	Quantitative - Accurately determines mycotoxin concentration.
	2 min DON-ETM-004		FAST Quantitative - Test results in 3 or 5 minutes.
Fumonisin	5 min FUM-METS-004		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.
	5 min FUM-FAST-004		
	10 min FUM-ETM-004		



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

## Multilingual

### Flexible and Configurable

Any two languages can be configured on each Charm EZ-M system. An operator can switch to his or her language without a special password.

### Language Screens

Over 25 languages available!



## Specification and Order Codes

### Get Better Results with the Charm EZ-M System

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

Content	Order Code #
Charm EZ-M System	LF-ROSA-EZ
Power Adapter	PWR-AUTOCRD
Power Converter	PWR-CON-24/12
Thermal Citizen Printer	PRN-THERM-CITIZEN

Want to learn how you can  
automate your mycotoxin testing?

Contact us today for a free consultation.