Charm EZ®-M System

Combined Incubator and Reader in One

CHARM SCIENCES INC

NOTHING WORKS LIKE A CHARM

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

Automate Testing 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

USB

RS232
Serial port

High Resolution Display
Backlit, sunlight-readable alphanumeric display with 18 characters per swab site

Touchscreen

Quick and Secure Strip Insertion

Temperature Probe

Charm EZ-M   16DEC12 13:00:37
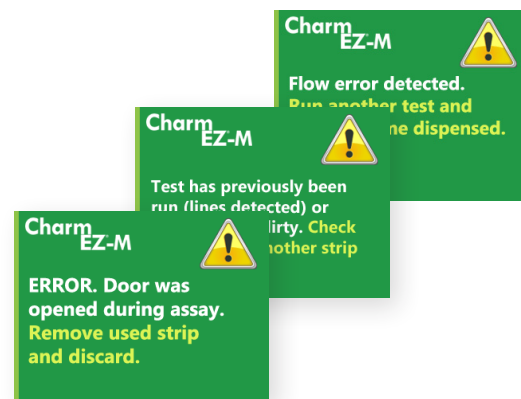**Insert Strip to Start**
MENU

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

Charm EZ-M
Flow error detected.
Run another test and ~~~ ne dispensed.

Charm EZ-M
Test has previously been run (lines detected) or ~~~ lirty. Check ~~~ other strip

Charm EZ-M
ERROR. Door was opened during assay. Remove used strip and discard.

Data Analytics

Chooses One Instrument, Multiple Tests[A]:

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
Aflatoxin	3 min	AFQ-WET5S-004
	5 min	AFQ-WET5S-004
	3/5 min	AFQ-FAST-004
	10 min	AFQ-ETOH-004
DON (Vomitoxin)	5 min	DONQ-WET5S-004
	5 min	DONQ-FAST5-004
	2 min	DONQ-004
Fumonisin	5 min	FUMQ-WET5S-004
	5 min	FUMQ-FAST5-004
	10 min	FUMQ-ETOH-004

Test Family		Test Strips
Ochratoxin	10 min	OCHRAQ-004
T2/HT2	10 min	T2/HT2-004
Zearalenone	5 min	ZEARQ-WET5S-004
	5 min	ZEARQ-FAST5-004
	10 min	ZEARQ-ETOH-004

Test Type

- **Quantitative -** Accurately determines mycotoxin concentration.
- **FAST Quantitative -** Test results in 3 or 5 minutes.
- **WET® Quantitative -** Water is used for the extraction solvent, not ethanol or methanol. This enables negative tests to be discarded in regular waste.

CHARM
SCIENCES INC

Charm EZ-M

[A]For most recent products and details, please contact Charm Science, 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.