

Charm EZ[®]-M System

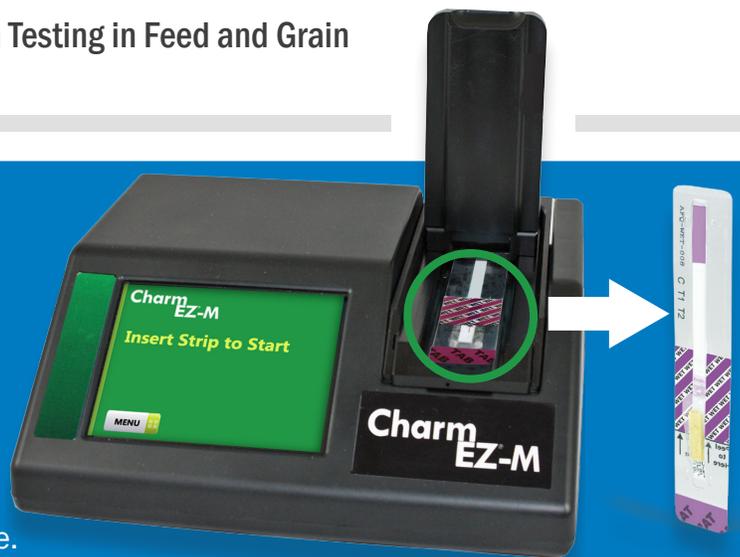
Rapid mycotoxin testing in feed and grain



for ROSA[®] Lateral Flow Strip Technology

Charm EZ-M

Charm EZ-M system reads the strip color and selects the test family (e.g., aflatoxin, DON) and automatically enters the correct calibration settings. The system also selects the incubation time and temperature in incubate and read mode.



Run Any ROSA Mycotoxin Test

Simply pipet diluted extract on the Charm ROSA strip, incubate, and read results on the Charm EZ-M system.



Test Families

- Aflatoxin
- DON (Vomitoxin)
- Fumonisin
- Ochratoxin
- T2/HT2
- Zearalenone

Test Types

- 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), which enables negative tests to be discarded in regular waste.

Choose from Two Incubation Options

Single Samples

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



Batch Testing

For batched sample testing, Charm recommends external ROSA Incubators be used with the Charm EZ-M system set to interpret test results only.

Features and Benefits

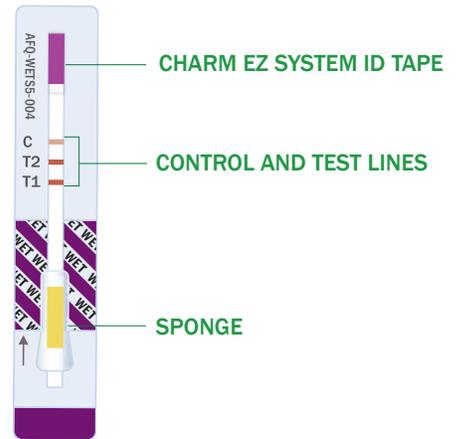
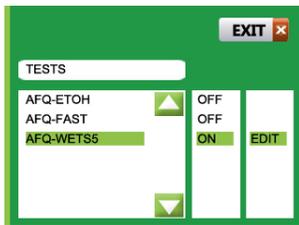
A **touch screen** interface facilitates operation.

Results are stored automatically and are readily accessible for transfer. The Charm EZ-M system's internal memory backs up 8000 test results, and the SD card stores over 100,000 test results. Transmit results to a PC using a standard USB cable, to a LIMS network over ethernet. Results from the Charm EZ-M system are easily exported to Excel for analysis.

Alphanumeric sample IDs can be input with the touch screen, an external keypad, an RFID, or a bar code reader.

Automate Testing to Reduce Errors

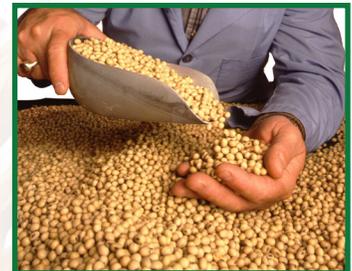
The Charm EZ-M system is configured to match your facility's needs. Only the tests, commodities, and dilutions you need are visible.



Test Raw Materials in Receiving

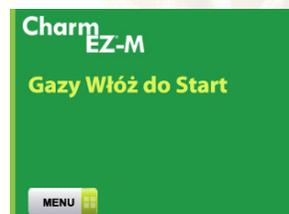
Testing with the Charm EZ-M system is both rapid and easy, and can be performed at the point of receiving, eliminating testing in a laboratory setting.

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.



Multilingual

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



Specifications

	Charm EZ-M	LF-ROSA-EZ-M
Optional Accessories	Item	Item Number
	12V Auto Adapter 24V---->12V Power Converter	PWR-AUTOCRD PWR-CONV-24/12
	Thermal Printer	PRN-THERM-CITIZEN
	Quad Grain Incubator	LF-INC4-5-45D For other options, contact Charm Sciences

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
Power Source (AC):	12 V DC Adapters for 110 V / 60 Hz or 220 V / 50 Hz
Auto Adapters:	12 V 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
Data Output:	Test ID, Sample ID, Operator ID, Test Result, Temperature, Date and Time