

Charm
EZ[®]



Charm EZ[®] System

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Combined Incubator and Reader in One

Superior Science

- **Testing with Combined Incubator/Reader** - Analyzes ROSA® antibiotic or Aflatoxin M1 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 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 using a standard USB cable, or to a LIMS network over Ethernet
- **Charm EZ® Export Software** - Exports test results to Excel for analysis
- **Sample ID** - Recognizes sample ID input through the touch screen, an external keypad, an RFID, or a bar code reader

Automate Antibiotic and Aflatoxin M1 Testing in Milk

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

Instrument Overview

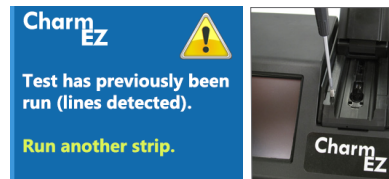


Self Diagnostics

Chooses Correct Operation Automatically

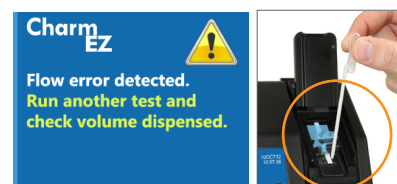
Based on the ROSA test strip color, the Charm EZ system automatically enters the correct incubation time, temperature, and channel for the operator.

During incubation, the Charm EZ system performs self-diagnostics and will prompt the operator if errors occur.



Checks Optics

An optics check identifies previously run strips and when the lens needs cleaning.



Checks Sample Volume

If the sample flow is incorrect (e.g., the wrong volume of milk is added), the Charm EZ system prompts the operator to start over.



The Charm EZ system reads "red" as:

- Incubation time = 30 seconds
- Temperature = 56 °C
- Channel = BL30SEC

*Fixed volume pipettes (300 µL) can be ordered from Charm.

Maximize your Investment

One Instrument, Multiple Tests^A:

The Charm EZ system's unprecedented versatility allows for a variety of different antibiotic tests to be run with a single instrument.

Beta-lactam		QUADS	
BL30SEC	Beta-lactam, 30-seconds	QUAD-RUS (Russian Regulations)	Beta-lactam, Tetracycline, Streptomycin and Chloramphenicol at Custom Union Levels
Charm 3 SL3	Charm 3 SL3 Beta-lactam	QUAD1	Beta-lactam, Tetracycline, Sulfa Drugs, Quinolone at MRL
MRLBL1	Beta-lactam, 1-minute at MRL ^B	QUAD2	Macrolides-(Tylosin, Lincosamide, Erythromycin, Tilmicosin) and Gentamicin at MRL
MRLBL3	Beta-lactam, 3-minutes at MRL	QUAD3	Aminoglycosides-Neomycin, Streptomycins, Kanamycin and Spectinomycin at MRL
SLBL	Beta-lactam at SL ^C	Other Antibiotics	
Aflatoxin		AMPH	Amphenicol
MRLAFMQ	Aflatoxin M1, Quantitative at MRL	CHLOR	Chloramphenicol
SLAFMQ	Aflatoxin M1, Quantitative at SL	NEO-STREP-G	Neomycin and Streptomycin
Combo		QUIN	Quinolones
MRLBLTET	Beta-lactam and Tetracycline at MRL	STREP	Streptomycin
MRLBLTET2	Beta-lactam and Tetracycline, 2-minutes at MRL	SULFA	Sulfonamides
MRLBLTET2A	Beta-lactam and Tetracycline, 2-minutes at MRL, advanced sensitivity	TET-SL	Tetracycline
MRLBLRFET2	Beta-lactam and Tetracycline, Customs Union countries (Russia, Kazakhstan, and Belarus) at MRL	FLT	Florfenicol and Thiampheni
TRIO	Beta-lactams, Sulfonamides, and Tetracyclines		

^AFor most recent products and details, please contact Charm Science, Inc

^BMaximum Residue Level

^CSafe Level

Multilingual

Flexible and Configurable

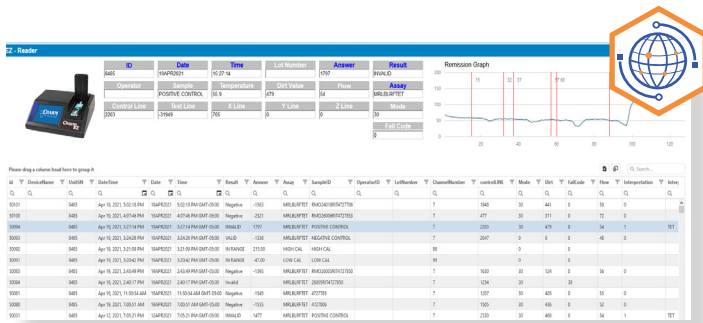
Any two languages can be configured on each Charm EZ system. An operator can switch to his or her language without a special password.

Language Screens

Over 25 languages available!



Data Management Integration



Quality and Efficient Results

The quality of your products, efficiency of production, and success of your business all depend on continuous optimization and automation of your production process. Charm CONNECT and Charm SMART allow for seamless integration between multiple units and plant/sites to a database allowing corporate reports/analytics, open source code, and more.

Order Codes

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