

Charm Sciences offers two Charm II systems. Each system is configured with all the components required to test a specific set of commodities.

## The Charm II 6600 System

This system is ideal for milk and honey testing.

### Key components include:

- Charm II Analyzer
- Inctronic II 12-place Dual Incubator
- 6600 Centrifuge
- Dispenser
- Prep board with vortex
- Thermal printer
- Opti-Fluor® LSC
- Pipets



## The Charm II 7600 System

This system is ideal for testing muscle tissues, liver, grain and feed stuffs, fish, urine, cooked meat and seafood, water, fruits and vegetables, and other food products.

### Key components include:

- Charm II Analyzer
- Inctronic II 12-place Dual Incubator
- 7600 Centrifuge
- Prep board with vortex
- Dispenser
- Blender
- Large bore incubator
- Thermal printer
- Opti-Fluor LSC
- Pipets



# CHARM II

Charm II System—Rapid, Comprehensive Testing for Residue



## Specifications & Order Codes

Specifications	<b>Unit Dimensions:</b>	520 x 310 x 13 cm (W x H x D)
	<b>Weight:</b>	22 kg
	<b>Screen Dimensions:</b>	5.6 x 7.3 cm (W x H)
	<b>Screen Display:</b>	64 bit, LED backlit color 8.9 cm display
	<b>User Interface:</b>	Touch Screen
	<b>Power:</b>	90-132 V or 175-264 V AC, 50/60 Hz, 75 VA
	<b>Environment:</b>	Temp: 0-50° C
	<b>Detector:</b>	Two PM tubes working in coincidence. Coincidence resolution time: 60ns
	<b>Vials:</b>	13x100 mm Borosilicate Glass Test Tubes, or Pocketswabs with adapter, or 2 mL microcentrifuge tubes with adapter
	<b>Performance:</b>	Counting efficiency typically: H3 26% and C14 68% H3 cross-talk from C14 should be less than 30% C14 cross-talk from H3 should be less than 10%
<b>Communication:</b>	One RS-232C serial interface. Output connectors for computer or printer	
<b>Option:</b>	Charm C2Soft Data Acquisition Package, requires IBM-PC compatible computer with RS-232C serial port	

### Order Codes

Order Codes:	Contains:
<b>6600-SYSTEM</b>	Charm II 6600 System, 110 V
<b>7600-SYSTEM</b>	Charm II 7600 System, 110 V
<b>SOFTWARE-C2</b>	Software-C2

# CHARM II Superior Science

Charm II is a multipurpose liquid scintillation counter (LSC) and luminometer system that can run a wide range of rugged rapid receptor assays. It detects residues in meat tissues, dairy, animal urine, farmed fish and shrimp, water, eggs, feed and honey.

## ✓ Multi-Testing

Tests for antibiotics, aflatoxin, pesticides, alkaline phosphatase and ATP

## ✓ Multiple Matrices

Tests on dairy, water, honey, meat, fish, seafood, feed, eggs, urine

## ✓ US SL, MRL & CODEX Level Screening Methods

The Charm II system adheres to various microbial screening methods. With screening methods in place, residue monitoring is simple.

## ✓ Multiple Antibiotic Families

Beta-lactams, tetracyclines, sulfonamides, amphenicols, macrolides/lincosamides, aminoglycosides, novobiocin

## ✓ Detects Drugs and their Metabolites

Beta-lactams, tetracyclines, sulfonamides, amphenicols, macrolides/lincosamides, aminoglycosides, novobiocin

The **Charm II** multi-testing analyzer is a versatile and easy to use system that is capable of detecting compounds of the same family



# Maximize your Investment

One Instrument, Multiple Tests: The Charm II system's unprecedented versatility allows for a variety of different tests to be run with a single instrument.

	Aminoglycoside	Gentamicin Type	Amphenicols	Beta-lactams	Macrolides	Novobiocin	Sulfonamides	Tetracyclines	Aflatoxins	ATP Hygiene/ Sanitation	Pasteurization Efficiency	Pesticides
Muscle Tissue	X	X	X	X			X	X				X
Liver	X	X	X	X			X	X				
Urine	X	X	X	X			X	X				
Serum	X	X	X	X			X	X				
Egg	X	X	X	X			X	X				
Grain & Feed Stuffs	X	X	X	X			X	X	X			X
Environmental & Product			X							X		
Honey			X	X	X		X	X				X
Milk	X	X	X	X	X	X	X	X	X		X	X
Farmed Fish	X	X	X	X			X	X				
Fruits & Vegetables												X
Water			X	X	X		X	X		X		X
Clear Juice										X		X
Ground Nuts												X
Cooked Meat	X			X	X		X	X				

For most recent product and details, please contact Charm Science, Inc

## 3 Simple Steps



### Charm II Antibiotic and Aflatoxin

- Dilute liquid samples
- Grind solid samples with provided buffer
- Eliminate solids by centrifugation
- Protocol available for any matrix



### Incronic II Incubator/Centrifuge

- Adjustable temperature
- Dual heating block
- Built-in timer
- Digital temperature sensor
- Same incubator for all antibiotic families and aflatoxins
- Prepare sample for counting by centrifugation



### 6600-7600 Analyzer

- Automated printout of date, time, assay type, sample & operator ID, Lot # and results
- Computer ready for C2Soft option
- Suitable for all Charm II applications
- Suitable for some ATP based applications

## Instrument Overview

