

CHARM II



**The First and Only
Rapid, Comprehensive,
Residue Testing System**

The Charm II System:

CHARACTERISTICS AND CAPABILITIES

Charm II is a multipurpose Liquid Scintillation Counter (LSC) and Luminometer System that can run a wide range of rugged rapid receptor assays. Charm II assays can detect a wide range of residues in meat tissues, dairy, animal urine, farmed fish, farmed shrimp, water, eggs, feed and honey. The variety of tests along with system reliability has made Charm II the “Gold Standard” in residue avoidance programs and is why it is used by governments and businesses around the world.

Charm II tests are capable of detecting compounds belonging to the same drug family at or below their defined Safe Level/Tolerance, Maximum Residue Limit (MRL), and CODEX limits. And many Charm II tests are officially approved by the US and other governmental regulatory bodies.

In addition, the use of Charm II along with HPLC separation provides an excellent method for the detection and identification of individual veterinary drugs and their metabolites in milk, urine, serum, animal tissue, honey, and other matrices at concentrations of interest to regulatory agencies.

Charm II At A Glance

- ▶ Multi-testing System: Antibiotics, Aflatoxins, Pesticides, Alkaline Phosphatase, and ATP
- ▶ Multiple Matrices: Dairy, Water, Honey, Meat, Fish, Seafood, Feed, Eggs, Urine
- ▶ US SL, MRL & CODEX level screening methods
- ▶ Multiple Antibiotic Families: Beta-lactams, Tetracyclines, Sulfonamides, Amphenicols, Also: Macrolides/Lincosamides, Aminoglycosides, Novobiocin
- ▶ Detection of drugs and their metabolites

ASSAY SPECIFICATIONS

Assay	Test Name	Incubation Steps	Time (Mins)
Aflatoxins	Charm II	1 - 2	15
Alkaline Phosphatase	PasLite	1	4
Antibiotics	Charm II	1 - 2	8 - 15
ATP Hygiene	PocketSwab®	0	<0.5
Pesticides	CideLite	2	20

Multiple Applications

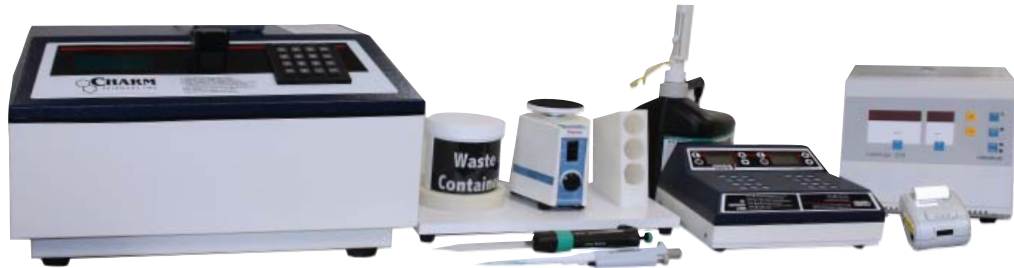
APPLICATIONS

	Antibiotics									Other			
	Aminoglycoside	Gentamycin Type	Streptomycin Type	Amphenicols	Beta-lactams	Macrolides	Nitrofurans	Novobiocin	Sulfonamides	Tetracyclines	Aflatoxins	ATP Hygiene / Sanitation	Pasteurization Efficiency
Muscle Tissue	X	X	X	X	X			X	X	X			X
Liver	X	X	X	X	X			X	X				
Urine	X	X	X	X	X			X	X				
Serum	X	X	X	X	X			X	X				
Egg	X	X	X	X	X			X	X				
Grain & Feed Stuffs	X	X	X	X	X			X	X	X			X
Environmental & Product Contact Surface				X							X		
Honey	X		X	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	X				
Fruits & Vegetables													X
Water			X	X	X			X	X		X		X
Clear Juice, Beer & Wine											X		X
Ground Nuts										X			X
Cooked Meat & Seafood	X	X		X	X			X	X				

CHARM II SYSTEMS

Charm offers two Charm II systems. Each system is configured with all components required to test a specific set of commodities. The 6600 system is configured for milk and honey testing. The 7600 is configured for commodities requiring additional preparation including tissue, liver, grain and feed, stuffs, fish, urine, fruits, and vegetables.

Charm II 6600 System



The Charm II 6600 System is ideal for milk and honey testing. Key components include:

- Charm II Analyzer
- Incronic II 12-place Dual Incubator
- 6600 Centrifuge
- Dispenser
- Prep Board with Vortex
- Thermal Printer Opti-fluor®
- Pipets

Charm II 7600 System



The Charm II 7600 System is ideal for testing muscle tissue, 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
- Incronic II 12-place Dual Incubator
- 7600 Centrifuge
- Blender
- Large Bore Incubator
- Prep Board with Vortex
- Thermal Printer Opti-fluor®
- Dispenser
- Pipets

Optional C2Soft Software

C2Soft Software provides an easy convenient way to track and trend results of Charm II testing.

