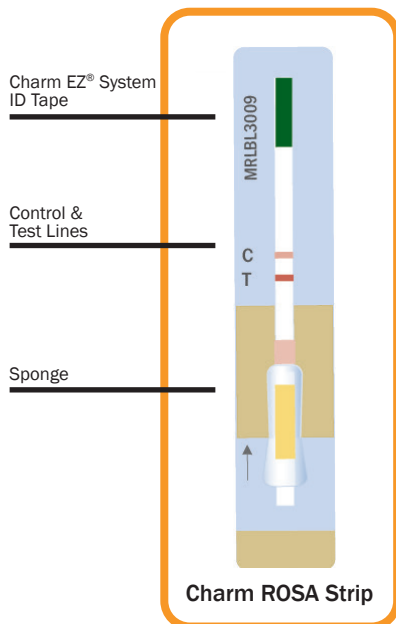


Charm MRL Beta-lactam 3-Minute Test for Milk



3
minutes

Product Overview



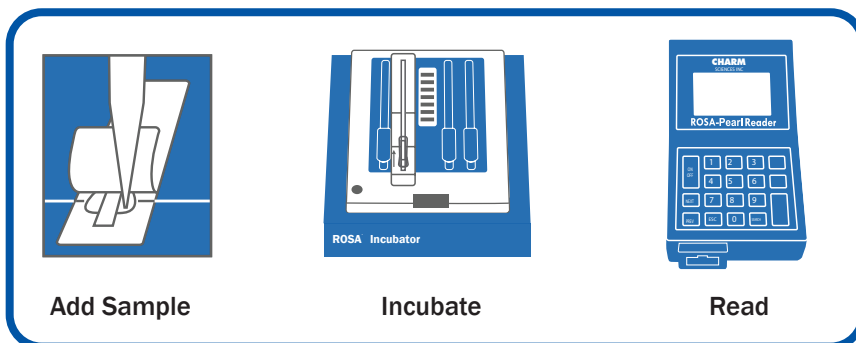
Charm® Rapid One Step Assay (ROSA®) technology is trusted by the dairy industry worldwide for fast and accurate milk residue screening. The **Charm MRL Beta-lactam 3-Minute Test (MRLBL3)** is specifically engineered to meet EU/CODEX MRL levels. The MRLBL3 test detects 14 common beta-lactams at or below EU MRL, including cloxacillin, ceftiofur, cefalonium and cefquinome.

The unprecedented speed of the MRLBL3 test allows milk to be tested while the tanker is being prepared at the plant or at the farm. Use of the MRLBL3 test helps the dairy industry lower operating costs by receiving milk faster, moving tankers more quickly, and expediting production of a safe, wholesome and quality product.

Benefits of MRLBL3 Test Include:

- Achieves results in 3 minutes
- Detects 14 common beta-lactams
- Meets EU/CODEX MRL
- Conveniently prints and downloads results
- Validated by ILVO – Institute for Agricultural and Fisheries Research (ILVO), Belgium

Simple Procedure



Sensitivity in Milk

Beta-lactam Drug	Detection Range [†] (ppb)	EU / CODEX MRL (ppb ^B)
Amoxicillin	3 to 5	4
Ampicillin	3 to 4	4
Cefacetrile	30 to 40	125
Cefalexin	>500	100
Cefalonium	8 to 12	20
Cefazolin	20 to 40	50
Cefoperazone	1 to 2	50
Cefquinome	15 to 25	20
Ceftiofur and Metabolite [^]	40 to 70	100 / 100
Cefuroxime	100 to 200	50
Cephapirin	10 to 30	60 [§]
Cloxacillin	20 to 30	30
Dicloxacillin	15 to 25	30
Penicillin G	2 to 3	4 / 4

[†] Positive at least 95% of the time.

^BParts per billion, µg/kg (EU MRL) or µg/L (CODEX MRL)

[^]Ceftiofur parent drug sensitivity is at levels approximately 1/2 those reported in the table.

[§] U.S. Tolerance is 20 ppb cephapirin.

Ordering Info

Order Codes	Each Kit Includes
LF-MRLBL3-20K LF-MRLBL3-100K LF-MRLBL3-500K	Test Strips and Positive Controls

See Operator's Manual for additional kits and order codes

Analysengeräte, Spezialreagenzien, Schnelltests zur Untersuchung von: Getreide, Futtermittel, Mehle, Milch u. Milchprodukte & Rohmilch
Tests auf Antibiotika & Mykotoxine - Schnellanalyse der Betriebshygiene, Produktsicherheit & Haltbarkeit von Lebensmittel – Peel Plate Mikrobiologische Tests



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