

Charm[®] MRL Beta-lactam Test for Milk

The Charm MRL Beta-lactam Test (MRLBL) is the only test that detects 14 primary beta-lactams at or below EU and CODEX Maximum Residue Limits (MRLs) and is closer to established limits than any other milk test. The test is easy to use, requiring minimal equipment. The Charm MRLBL ensures that milk is safe for processing and consumption.

Speed, sensitivity and simplicity... all rolled into one test strip.

MRLBL test at a glance

- Test time: 8 minutes
- Minimal equipment required
- Rapid One Step Assay (ROSA[®])
- Meets EU/MRL /CODEX



MRL Beta-lactam 8-Minute Test



Sensitivity in Milk

Table 1. Sensitivity – Detection Ranges in Cow Milk at 0 to 7 °C		
Beta-lactam Drug	Detection Range (ppb*)	EU / CODEX MRL (ppb*)
Amoxicillin	3-4	4
Ampicillin	3-4	4
Cefacetrile	8-18	125
Cefalexin	30-60	100
Cefalonium	3-5	20
Cefazolin	12-20	50
Cefoperazone	5-9	50
Cefquinome	15-20	20
Ceftiofur and Metabolite [^]	10-20	100
Cefuroxime	3-5	50
Cephapirin	6-10	60 §
Cloxacillin	25-35	30
Dicloxacillin	20-30	30
Penicillin G	2-3	4

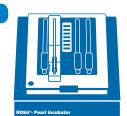
 \star parts per billion ^ Ceftiofur parent drug sensitivity is approximately 1/4 those reported in the table

§ U.S. Tolerance is 20 ppb cephapirin

Simple and fast test procedure



Add milk sample to ROSA strip



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Incubate 8 minutes



Read the results!