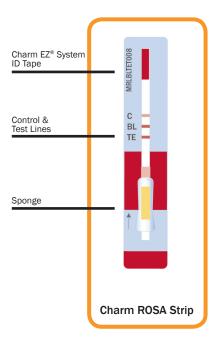
Charm MRL Beta-lactam and Tetracycline Test for Milk



Product Overview



Charm[®] ROSA[®] (Rapid One Step Assay) technology is trusted by the dairy industry worldwide for fast and accurate milk residue screening. The **Charm MRL Beta-lactam and Tetracycline Test** (MRLBLTET) for milk makes it easy to detect multiple veterinary drugs or antibiotic families using a single test.

The 8-minute MRLBLTET test also meets the 100 ppb EU MRL requirement for tetracycline drugs, a level which most countries have adopted in their milk regulations, e.g., Australia, China, Japan, Korea, Poland, New Zealand, Taiwan and Vietnam.

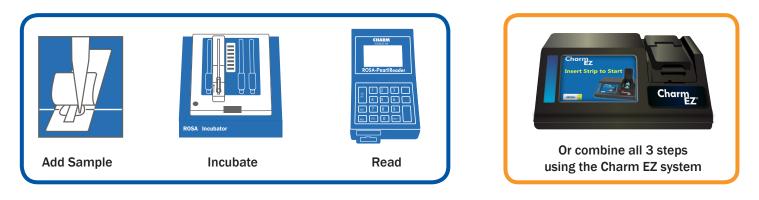
MRLBLTET Test:

Achieves results in 8 minutes

Detects beta-lactam drugs at or below EU/CODEX MRL in raw commingled milk

Meets 100 ppb EU MRL requirement for tetracycline drugs

Simple Procedure







Sensitivity in Milk

Detection Ranges in Cow Milk at 0 to 7 °C		
Beta-lactam Drug	Detection Range (ppb ^A)	EU/CODEX MRL (ppb ^A)
Amoxicillin	2.5 to 4	4
Ampicillin	2.5 to 4	4
Cefacetrile	6 to 12	125
Cefalexin	15 to 30	100
Cefalonium	3 to 5	20
Cefazolin	8 to 16	50
Cefoperazone	4 to 8	50
Cefquinome	15 to 20	20
Ceftiofur and Metabolite ^B	10 to 20	100/100
Cephapirin	4 to 8	60 ^c
Cloxacillin	25 to 35	30
Dicloxacillin	20 to 30	30
Penicillin G	2 to 3	4/4
Tetracycline Drug	Detection Ranges (ppb ^A)	EU/CODEX MRL (ppb ^A)
Chlortetracycline	50 to 100	100/100
Oxytetracycline	50 to 100	100/100
Tetracycline	10 to 30	100

A parts per billion

 $^{\rm B}$ Ceftiofur parent drug sensitivity is approximately 1/2 those reported in the table

^c U.S. Tolerance is 20 ppb cephapirin

Ordering Info

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

See Operator's Manual for additional kits and order codes



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