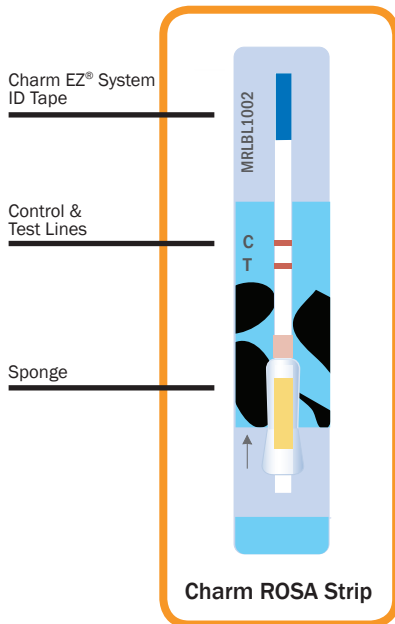


Charm MRL Beta-lactam 1 - minute for Milk

1
minute

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 1 - minute Test** is specifically designed to limit the rejection of non-violative milk by closely meeting EU and CODEX MRL (maximum residue limits) levels for the most common beta-lactams used on dairy farms.

This one minute test is changing the way the dairy processors test for beta-lactams before pick-up, on the tanker and at the receiving bay. The test is approved for use with the Charm EZ system.

MRLBL1 Test :

- Achieves results in 1 minute
- Detects Beta-lactam
- Meets EU/MRL/CODEX levels

Simple Procedure



Rapid One Step Assay

Sensitivity in Milk

Sensitivity* Table – Detection Ranges in Cow Milk at 0 to 7 °C		
Beta-lactam Drug	Detection Range ^A (ppb ^B)	EU/CODEX MRL (ppb ^B)
Amoxicillin	3 to 4	4
Ampicillin	3 to 4	4
Cefacetrole	30 to 40	125
Cefalonium	8 to 12	20
Cefazolin	20 to 30	50
Cefoperazone	2 to 3	50
Cefquinome	30 to 40	20
Ceftiofur and Metabolite ^C	60 to 100	100/100
Cephaprin	15 to 20	60 ^D
Cloxacillin	15 to 20	30
Dicloxacillin	10 to 15	30
Oxacillin	10 to 20	30
Penicillin G	2 to 3	4/4

^APositive at least 95% of the time.

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

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

^DU.S. Tolerance is 20 ppb cephalosporins.

*Nothing stated herein, including detection level information, shall be understood to imply any warranty or guaranty.

Ordering Info

Order Codes	Each Kit Includes
LF-MRLBL1-20K LF-MRLBL1-100K LF-MRLBL1-500K	Test Strips and Positive Controls

See Operator's Manual for additional kits and order codes