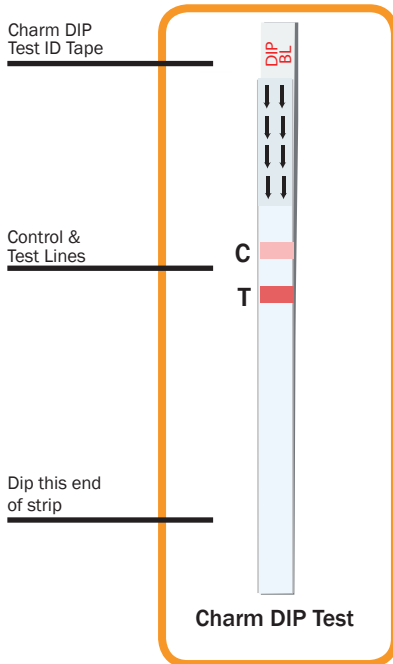


Charm MRL Beta-lactam DIP Test for Milk

10 minutes

Product Overview



Charm® technology is trusted by the dairy industry worldwide for fast and accurate milk residue screening. The **Charm MRL Beta-lactam DIP Test** detects Beta-lactam drugs in raw commingled milk. The test follows a one-step procedure. Simply dip the strip into the sample and visually interpret within minutes.

Benefits Include:

- Achieves results in 10 minutes
- Detects Beta-lactam drugs
- Incubates at 56 ± 1 °C
- Meets EU/CODEX MRL

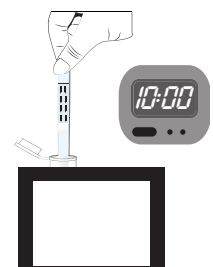
Simple Procedure



Pipet 300 µL sample.



Place vial into Charm DIP Test Incubator.



Incubate strip and visually read.



Sensitivity in Milk

Sensitivity – Detection Ranges in Cow Milk at 0 to 7 °C

Beta-lactam Drug	Detection Range ^A (ppb ^B)	EU/CODEX MRL (ppb ^B)
Amoxicillin	2 to 3	4
Ampicillin	2 to 3	4
Cefacetile	25 to 50	125
Cefalonium	4 to 8	20
Cefazolin	8 to 10	50
Cefoperazone	1 to 2	50
Cefquinome	15 to 20	20
Ceftiofur and Metabolites ^C	25 to 50	100 / 100
Cefuroxime	75 to 100	100
Cephapirin	8 to 10	60 ^D
Cloxacillin	5 to 8	30
Dicloxacillin	4 to 6	30
Nafcillin	20 to 30	N/A
Oxacillin	10 to 15	N/A
Penicillin G	2 to 3	4 / 4

^A Positive at least 95% of the time

^B Parts per billion, µg/kg or µg/L

^C Ceftiofur parent drug sensitivity is approximately 1/2 that reported in the table.

^D U.S. tolerance is 20 ppb cephalosporins.

Ordering Info

Order Codes	Each Kit Includes
DT-MRLBL-20K DT-MRLBL-100K	Test strips, pipets, and sample vials

See Operator's Manual for additional kits and order codes