



Charm ROSA Tetracycline-SL (Dilution Confirmation) Test for Milk

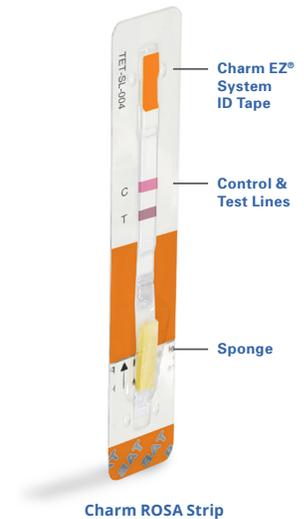
Product Overview

Charm® ROSA® (Rapid One Step Assay) technology is trusted by the dairy industry worldwide for fast and accurate milk residue screening.

The Charm ROSA Tetracycline-SL (Dilution Confirmation) Test (TET-SL) detects all three tetracycline drug residues in raw commingled milk at or below the EU/CODEX and Canadian Maximum Residue Limits (MRL) and is confirmed with a dilution step to meet US Tolerance Levels. The TET-SL test, with orange strips, is approved for the NCIMS Tetracycline Pilot Program.

Benefits of TET-SL Test Include:

- Achieves results in 8 minutes
- Detects tetracycline, chlortetracycline, and oxytetracycline drugs
- Used on all Charm ROSA equipment compatible with beta-lactam testing: ROSA-M Reader, ROSA Pearl-X Reader, and Charm EZ System
- Incubates at 56 ± 1 °C
- Detects tetracyclines at levels less than 100 ppb, but is confirmed with a dilution step to meet US tolerance 300 ppb
- Approved for the NCIMS Tetracycline Pilot Program



Simple Procedure with the Charm EZ System



Add Sample



Incubate



Read Results in Less Than 5 Seconds



For Batch Processing

Incubate multiple strips simultaneously, then read results in the Charm EZ system.

Sensitivity in Milk

TABLE 1. UNDILUTED Sensitivity* - Detection Ranges in Cow Milk at 0 to 7 °C

Concentration-Response Information - Displayed as % Positive of n=30 tests

Concentration (ppb, parts per billion, µg/kg or µg/L)	Chlortetracycline [§]	Oxytetracycline [§]	Tetracycline ^{§†}
15			30
25	0	3	97
30			100
50	37	63	100
75	97	97	
100	100	100	100
300	100	100	100
EU/CODEX MRL and Canadian AMRL (µg/kg or µg/L)	100	100	100
US Tolerance (ppb)	300	300	300
Calculated 90/95 % Detection Level (ppb)	96	94	46

[§] 90 % positive with 95 % confidence detection level which is at least 25 % less than the US Tolerance

[†] 25 % less than MRL/AMRL

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

TABLE 2. DILUTED Sensitivity* - Detection Ranges in Incurred Cow Milk at 0 to 7 °C

Concentration-Response Information - Displayed as % Positive of n=30 tests

Concentration (ppb, parts per billion, µg/kg or µg/L)	Chlortetracycline [^]	Oxytetracycline [§]	Tetracycline ^{§†}
20			0
40			10
60	3	3	70
80			100
120	27	37	
180	23	37	
240	93	90	
290	300		
300	100	100	100
US Tolerance (ppb)	300	300	300
Calculated 90/95 % Detection Level (ppb)	292	243	74

[^] Demonstrated a 90/95 % sensitivity which is at least 25 % less than the US Tolerance.

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

Ordering Information

Order Codes	Each Kit Includes
LF-TET-SL-40NSK	Test Strips and Positive Controls
LF-TET-SL-100K	Test Strips and Positive Controls

See Operator's Manual for additional kits and order codes.

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