

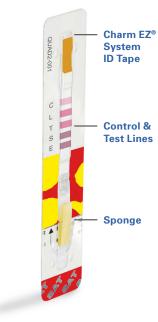
Charm QUAD2 Test for Milk

Product Overview

The Charm® QUAD®2 Test (QUAD2) delivers rapid and accurate results using ROSA® (Rapid One Step Assay) lateral flow technology. The QUAD2 test detects macrolides drugs in raw commingled cow, goat, and sheep milk. The QUAD2 test may be used to test at or below EU/CODEX and China Maximum Residue Limits (MRL).

Benefits of QUAD2 Test Include:

- Achieves results in 5 minutes
- Detects macrolides
- Incubates at 56 ± 1 °C for cow, goat, and sheep milk
- Meets EU/CODEX MRL and China MRL
- Validated by ILVO Institute for Argicultural and Fisheries (ILVO), Belgium



Charm ROSA Strip

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

Macrolide-free raw milk yields negative results at least 99% of the time. Table Sensitivity - Detection Ranges in Cow Milk at 0 to 7 $^{\circ}$ C

| Macrolide Drug | Detection Range [†] (ppb*) | EU/CODEX MRL (ppb*) | China MRL (ppb*) | |
|-------------------------------------|-------------------------------------|---------------------|------------------|--|
| Erythromycin | 10 to 30 ppb | 40 ppb | 40 ppb | |
| Lincomycin | 100 to 150 ppb | 150 ppb | 150 ppb | |
| Pirlimycin | 50 to 100 ppb | 100 ppb | 100 ppb | |
| Spiramycin | 150 to 200 ppb | 200 ppb | | |
| Tilmicosin | 25 to 40 ppb | 50 ppb | 50 ppb | |
| Tylosin | 10 to 30 ppb | 50/100 ppb | 50 ppb | |
| † Positive at least 95% of the time | | | | |

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Ordering Information

| Order Codes | Each Kit Includes | |
|----------------|-----------------------------------|--|
| LF-QUAD2-40NSK | Test Strips | |
| LF-QUAD2-100K | Test Strips and Positive Controls | |

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



^{*} parts per billion, $\mu g/kg$ or $\mu g/L$