



## Charm Quinolone Test for Milk

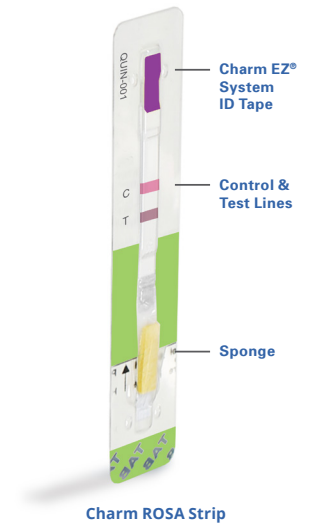
### Product Overview

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

The Charm Quinolone Test (QUIN) detects quinolone drugs in raw commingled cow milk at or below EU Maximum Residue Limit (MRL).

### Benefits of QUIN Test Include:

- Achieves results in 3 minutes
- Detects quinolone drugs
- Incubate at  $56 \pm 1$  °C
- Meets EU MRL



### Simple Procedure with the Charm EZ System



**1** Add Sample



**2** Incubate



**3** 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

Sensitivity - Detection Ranges in Cow Milk at 0 to 7 °C		
Quinolone Drug	Detection Level† (ppb*)	EU MRL (ppb*)
Ciprofloxacin	5 ppb	100 <sup>§</sup> ppb
Danofloxacin	10 ppb	30 ppb
Difloxacin	50 ppb	Not Allowed†
Enrofloxacin	10 ppb	100 <sup>§</sup> ppb
Flumequin	50 ppb	50 ppb
Lomefloxacin	10 ppb	
Narbofloxacin	20 ppb	75 ppb
Naladixic Acid	100 ppb	
Norofloxacin	10 ppb	
Ofloxacin	10 ppb	
Oxalinic Acid	250 ppb	Not Allowed†
Sarafloxacin	20 ppb	

† Positive at least 95% of the time.  
 \* parts per billion or µg/kg  
 § EU MRL is 100 ppb (µg/kg) total sum of enrofloxacin and ciprofloxacin as marker residues of which approximately 8% is enrofloxacin and 80% is ciprofloxacin in milk from enrofloxacin treated cows.  
 ‡ Not for use in animals from which milk is produced for human consumption.

## Ordering Information

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

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