

Charm® MRL Aflatoxin Quantitative Test for Aflatoxin M1 in Raw Milk



Charm MRL Aflatoxin Quantitative Test Kit for Milk
Includes 50 ppt Aflatoxin M1 Standard(s)

CHARM MRL AFLATOXIN QUANTITATIVE TEST

Toxin	Quantitative Range (ppt)	EU MRL (ppt)
Aflatoxin M1	15 - 100	50

OPTIONAL QUALITATIVE INTERPRETATION SENSITIVITY - RESPONSE IN COW MILK

Concentration (ppt)	% Positive on ROSA Reader ^{†††}
0	0
25	0
50 ^{††}	100
75	100

[†] Parts per trillion (ug/kg)

^{††} Positive 90% of the time with 95% confidence

^{†††} ≥ 40 ppt are interpreted positive

[§] V 1.05 or higher with quantitative settings

AT A GLANCE

- › Sensitive, reliable and accurate
- › Only rapid lateral flow test to meet EU MRL of 50 ppt[†] Aflatoxin M1
- › Results shown in parts per trillion (ppt)
- › Rapid One Step Assay (ROSA[®]) - Just add milk and incubate
- › Can be read on same equipment as other ROSA tests[§]

ACCURATE AND EASY TO USE

Aflatoxin M1 is the predominant aflatoxin that appears in milk. The Charm SL Aflatoxin Test is the only quantitative lateral flow test detecting the presence of Aflatoxin M1 in parts per trillion (ppt) in raw commingled cow milk.

MEETS EU MRL FOR AFLATOXIN M1 IN MILK

The Charm MRL Aflatoxin test is designed to enable dairy, intake, laboratory, field and regulatory personnel quickly determine if milk meets the EU MRL (maximum residue level) of 50 ppt aflatoxin M1 (EC No. 1881/2006).

OTHER ROSA TESTS AVAILABLE FOR:

- › Beta-lactams (MRL, MRLBL-3)
- › Beta-lactams (SL, Charm3 SL3, SL-6[®])
- › Beta-lactams/Tetracyclines Combo Test
- › Tetracyclines
- › Chloramphenicol
- › Sulfonamides
- › Streptomycin
- › Quinolones
- › Flunixin

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OVERVIEW OF PROCEDURE

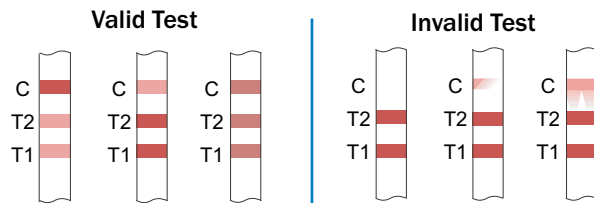
- ① Add milk sample to test strip.
Close incubator lid to start timer.



- ② After 15 minutes, incubator beeps and 'test complete' light will flash. Remove test strip.



- ③ Visually inspect test strip to confirm validity.



- ④ Insert valid test in ROSA Reader.



EQUIPMENT

ROSA Pearl-X Reader

- Results in just five seconds
- Download to printer or computer
- Stores 4500 data points
- Records sample ID, operator ID, date, time, lot #, reading and interpretation



ROSA Quad Incubator

- Self-timing with indicator lights/beeper
- Countdown timer display
- Auto Start when lid closed
- Auto Reset when lid opened
- Holds 4 test strips



ROSA Dual Incubator

- Self-timing with indicator lights/beeper
- Auto Start when lid closed
- Auto Reset when lid opened
- Holds 2 test strips



ORDER CODES

DESCRIPTION:	ORDER CODE:
MRL Aflatoxin Quantitative Kits of 20, 100, 500 Tests	LF-MRLAFMQ-20K, LF-MRLAFMQ-100K, LF-MRLAFMQ-500K
ROSA Pearl-X Reader	LF-ROSA-PEARL-X-NB
ROSA Quad Incubator	LF-INC4-15-40D
ROSA Dual Incubator	LF-INC2-15-40

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