



AUROFLOW™ BT COMBO STRIP TEST KIT

CATALOG #1087-01 (96 STRIPS); -02 (192 STRIPS)

SPEC SHEET

The AuroFlow™ BT Combo Strip Test Kit is a qualitative and rapid lateral flow assay designed to detect both beta-lactam and tetracycline antibiotic residues in raw commingled cow's milk. This test is designed for rapid field use or reference lab settings.

The features of the kit are:

- Simultaneous detection of beta-lactams and tetracyclines
- Rapid strip test method – 7 minutes
- 2-year shelf life
- Works in cold milk
- Detects 14 beta-lactams and 4 tetracyclines below EU MRL

MATERIALS PROVIDED

Kit Contents	#1087-01 (96 Strips)	#1087-02 (192 Strips)	Stg.
Reaction wells	4 x 24 (96 total)	8 x 24 (192 total)	4°C
Test strips	4 x 24 strips (96 total)	8 x 24 strips (192 total)	4°C
Positive control	1 vial	2 vials	4°C
Negative control	1 vial	2 vials	4°C
Pipette tips	100 tips	200 tips	RT
Plastic Frame	1 frame	1 frame	RT

REQUIRED MATERIALS NOT PROVIDED

- Timer/Watch
- Distilled water

OPTIONAL MATERIALS NOT PROVIDED

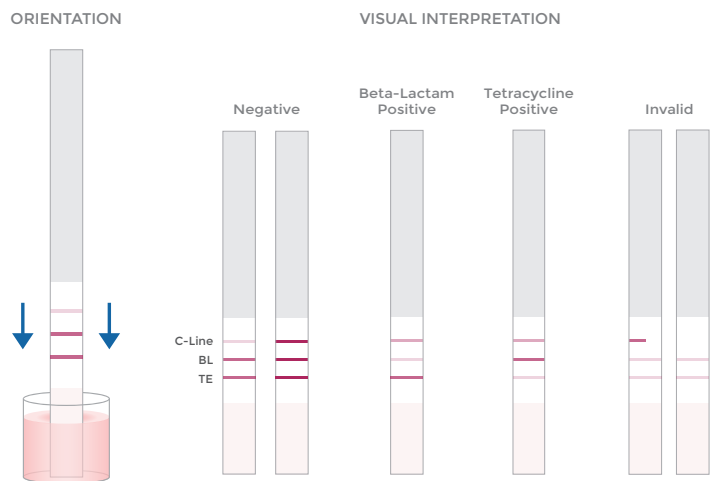
- QuickSTAR™ Strip Reader (Cat #1952-02)

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STRIP TEST PROCEDURE

- 01 Add 200 µL cold raw milk to reaction well and mix by pipetting up and down 10 times
- 02 Incubate mixture for 3 minutes at room temperature
- 03 Add dipstick to reaction well
- 04 Incubate mixture for 3 minutes at room temperature
- 05 Visually interpret result using the diagram, or use reader

INTERPRETATION OF RESULTS



* Re-test if strip is invalid

DETECTION LIMITS

BETA-LACTAM ANTIBIOTICS			
Penicillins		Cephalosporins	
Antibiotic (MRL)	Detection limit (µg/L)	Antibiotic (MRL)	Detection limit (µg/L)
Penicillin G (4)	2-3 ppb	Ceftiofur (100)	75-100 ppb
Ampicillin (4)	3-4 ppb	Cephapirin (60)	6-15 ppb
Amoxicillin (4)	3-4 ppb	Cefazolin (50)	35-50 ppb
Cloxacillin (30)	4-8 ppb	Cefoperazone (50)	5-20 ppb
Oxacillin (30)	4-8 ppb	Cephquinome (20)	10-20 ppb
Dicloxacillin (30)	5-8 ppb	Cephalonium (20)	4-8 ppb
Nafcillin (30)	15-30 ppb	Cefacetrile (125)	30-50 ppb

TETRACYCLINE ANTIBIOTICS	
Antibiotic (MRL)	Detection limit (µg/L)
Tetracycline (100)	50-100 ppb
Chlortetracycline (100)	15-50 ppb
Doxycycline (100)	5-20 ppb
Oxytetracycline (100)	50-70 ppb