

Rapid Milk Antibiotic Test

AuroFlow PR1ME BT Combo MRL Assay procedure

7-minute antibiotic test for commingled cow milk

For detailed instructions please refer to the instruction leaflet supplied with the kit.

1 With clean dry hands, take required number of sample tubes and test sticks from the fridge and allow to warm to room temperature.

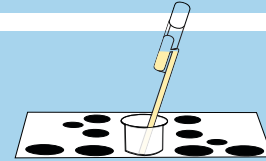


Ambient temperature 15-30°C

2 Switch on the incubator – set to Programme 1, place empty tube into well and allow to reach 50°C.

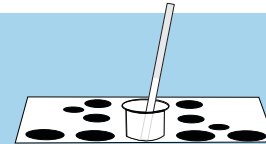


3 Using a disposable pipette add 200µl of milk into the sample tube.



200µl of milk

4 Place the test strip into the sample tube.



5 Press START on the heater to begin 7-minute countdown.



Incubate at 50°C

6 After 7 minutes remove the test stick and immediately interpret the results as follows...



TEST RESULTS

PASS



When the test lines are more intense than the control line, this indicates that **NO antibiotics are present.**



Control line
Ceftiofur line
Beta-lactam line
Tetracycline line



FAIL



When any of the test lines are not present or are less intense than the control line, this indicates that **antibiotics ARE present.**



Control line
Ceftiofur line
Beta-lactam line
Tetracycline line



Control line
Ceftiofur line
Beta-lactam line
Tetracycline line



Control line
Ceftiofur line
Beta-lactam line
Tetracycline line



Sensitivity (Detection Limit)

BETA-LACTAM ANTIBIOTICS

PENICILLINS

Antibiotic	MRL (Maximum Residue Level)	Detection Limit (part per billion)
Penicillin G	4	2
Penathamate	4	2
Ampicillin	4	3
Amoxicillin	4	3.5
Cloxacillin	30	3
Oxacillin	30	3
Dicloxacillin	30	2
Nafcillin	30	5

CEFALOSPORINS

Antibiotic	MRL (Maximum Residue Level)	Detection Limit (part per billion)
Ceftiofur	100	20
Desfuroylceftiofur	100	30
Cephapirin	60	5
Desacetyl cephalosporin	60	18
Cefazolin	50	40
Cefoperazone	50	2
Cephquinome	20	12
Cephalonium	20	8
Cefacetrile	125	20

TETRACYCLINES

Antibiotic	MRL (Maximum Residue Level)	Detection Limit (part per billion)
Tetracycline	100	12
Chlortetracycline	100	20
Oxytetracycline	100	30
Doxycycline	NR	40

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