

3-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.

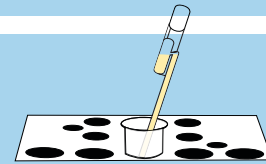


Ambient temperature
15-30°C

- 2** Switch on the incubator – set to Programme 3, place empty tube into well and allow to reach 48°C.

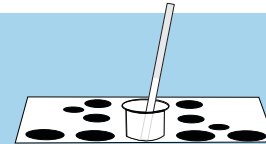


- 3** Using a disposable pipette add 200µl of milk into a sample tube that you placed in the AuroBlock incubator in step 2.



200µl
of milk

- 4** Place the test strip into the sample tube containing the raw milk sample.



- 5** Press START on the heater to begin 3-minute countdown.



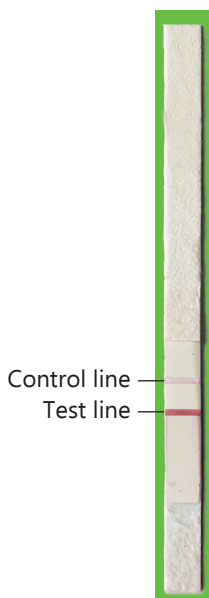
Incubate
at 48°C

- 6** After 3 minutes remove the test stick and immediately interpret the results as follows...



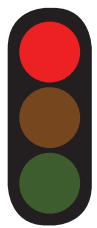
TEST RESULTS

PASS



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

FAIL



When the test line is not present or is less intense than the control line, this indicates that **antibiotics ARE present.**

Sensitivity (Detection Limit)

BETA-LACTAM ANTIBIOTICS

PENICILLINS

Antibiotic	MRL (Maximum Residue Level)	Detection Limit (part per billion)
Penicillin G	4	2-3
Ampicillin	4	3-4
Amoxicillin	4	3-4
Cloxacillin	30	5-8
Oxacillin	30	4-8
Dicloxacillin	30	4-8
Nafcillin	30	10-15

CEFALOSPORINS

Antibiotic	MRL (Maximum Residue Level)	Detection Limit (part per billion)
Ceftiofur	100	85-95
Cephapirin	60	4-8
Desacetyl cephapirin	60	20-30
Cefazolin	50	40-60
Cefoperazone	50	4-6
Cephquinome	20	8-10
Cephalonium	20	2-4
Cefacetrile	125	25-35

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