



MANUAL

Charm[®]

Betalactam Tetracycline Combi-test

DT-MRLBLRFETET

Version 1.0

The Charm[®] Betalactam Tetracycline Combi-test strips should be stored at 0 - 7°C. The packaging of the test kit should always be closed properly to protect it from humidity!




Test procedure

Betalactam Tetracycline Combi-test

Do you have a Charm® incubator









Preparation

- Switch the incubator on.
- Select Program P1 with the  key.
- Please note! The temperature of the incubator must be 56°C.
- Mix the milk thoroughly.

Do you have a Delvo® incubator...



Preparation

- Switch the incubator on.
- Keep the  key pressed for about 5 sec.
- Please note! Set the temperature on 56.0°C with the   keys.
- Press the  key to continue.
- Set the incubation time on 10 min. with the   keys.

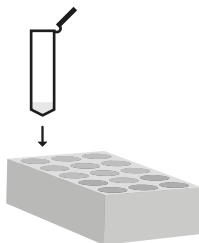
Please note! You will automatically leave the menu if you do not press a key for 5 seconds.

- Mix the milk thoroughly.

Add 0,3 ml raw milk to the tube.



Place the tube in the incubator.

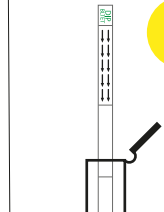


Place the DipTest in the tube.



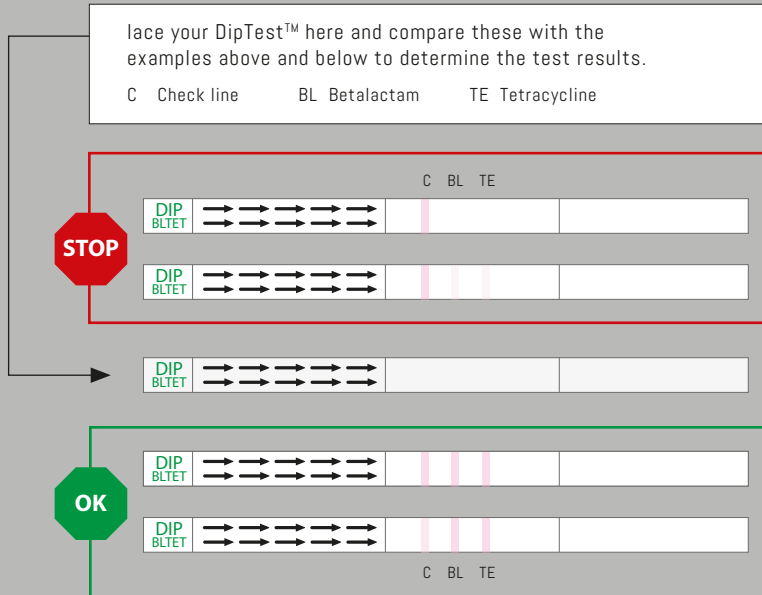
Press  to start timer

10 min



Test results

Betalactam Tetracycline Combi-test



Interpretation test result

- The BL-line and/or TE-line is missing or lighter than the check line.



Milk contains betalactam and/or tetracycline antibiotics

- The BL-line and TE-line have the same colour or are darker than the check line.



The test has not detected any betalactam and/or tetracycline antibiotics.

- Please note: Then the check line is not or hardly visible, the test is invalid!

Detection limits

DT-MRLBLRFETET

Table 1: Detection limits

Betalactam	EU/ Codex MRL (ppb)	RF* (ppb)	Sensitivity (ppb)
Amoxicillin	4	4	3 - 4
Ampicillin	4	4	3 - 4
Cefacetrile	125	125	25 - 50
Cephalonium	20	20	4 - 8
Cefazoline	50	50	8 - 10
Cefoperazone	50	50	1 - 2
Cefquinome	20	100/100	15 - 20
Ceftiofur and Metabolites *	100	20	25 - 50
Cephapirine	60	60	8 - 10
Cloxacillin	30	30	5 - 8
Dicloxacillin	30	20	4 - 6
Oxacillin	30	30	10 - 15
Penicillin G	4	4/4	2 - 3
Tetracycline			
Chlortetracycline	100	10	8 - 10
Doxycycline	100	10	8 - 10
Oxytetracycline	100	10	5 - 8
Tetracycline	100	10	8 - 10

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