

Milktest Duplex – Betalactam / Tetracycline – Antibiotics

The kit is easy to use, timesaving and convenient to detect Betalactam and Tetracycline Antibiotics in milk.



1. REQUIRED MATERIAL

- micropipette 100 μ l
- β -Lactam and tetracycline-cassettes



- ### 2. Open the package and take off the test cassette test assay at room temperature



- ### 3. Mix well the milk sample and drop the sample at room temperature (100 μ l) into test window (S);



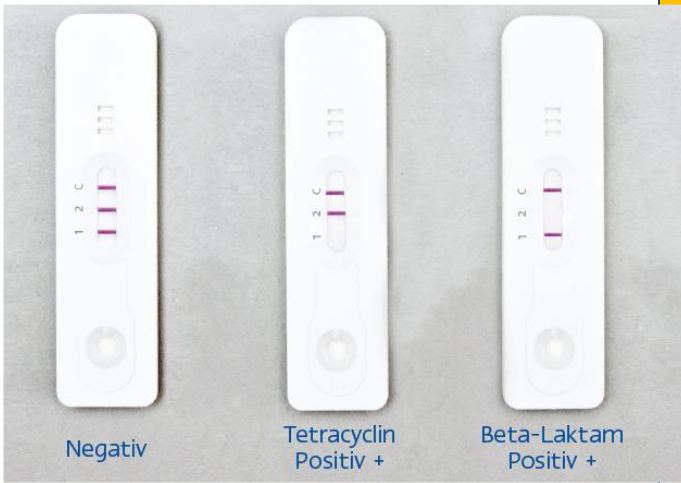
- ### 4. Wait 8 – 10 minutes and read the results

Raw milk, homogenized milk and reconstituted milk from powder are used directly in the assay. In raw milk, sample should be tested within a few days after collection.

INTERPRETATION OF RESULT

Visual Determination

- Negative (-)** : free of Beta-lactam and Tetracycline – Antibiotics
3 red lines Test line 1 and 2 and Control line visible
- Tetracycline Positive (+)** :Tetracycline antibiotics in milk
2 red lines visible, Test line (2) and control line (C) visible, Test line (1) not shown compare to line (2) and (C)
- Beta Lactam Positive (+)** : Beta-Lactam Antibiotics in milk
2 red lines visible, Test line (1) and control line (C) visible, Test line (2) not shown shown compare to line (2) and (C)

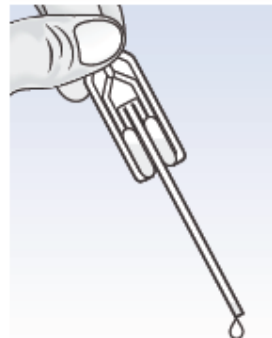


| Beta-lactams Antibiotics (Test line 2) | EU MRL (ppb) | Duplex (ppb) | Tetracyclin Antibiotika (Testlinie 1) | EU MRL (ppb) | Duplex (ppb) |
|--|--------------|--------------|---------------------------------------|--------------|--------------|
| Amoxicilin | 4 | 4 | Tetracycline | 100 | 15 |
| Ampicillin | 4 | 4 | Oxytetracycline | 100 | 15 |
| Penicillin G | 4 | 3-4 | Chlortetracycline | 100 | 25 |
| Cefalonium | 20 | 10-20 | Rolitetracycline | 100 | 15 |
| Cefazolin | 50 | 30 | Doxycycline | 100 | 100 |
| Cefoperazone | 50 | 30 | | | |
| Cefquinome | 20 | 20-40 | | | |
| Ceftiofur | 100 | 80 | | | |
| Cefuroxime | 50 | 15-20 | | | |
| Cefalexin | 100 | 400 | | | |
| Cefapirin | 60 | 20 | | | |
| Cloxacillin | 30 | 10 | | | |
| Dicloxacillin | 30 | 10 | | | |
| Nafcillin | 30 | 20 | | | |
| Oxacillin | 30 | 20 | | | |

Instructions for the use of drop-free pipettes

Use only the enclosed pipettes to determine the exact amount of milk (100µl) to insert into the test strip. Make sure that for each sample a new and clean pipette is used.

- Press the rubber ball on top of the pipette together.
- Immerse the pipette tip into the milk sample and allow the rubber ball to swell again. This enables the insertion of the milk.
- The excess of milk spreads on the two tanks on both sides of the pipette.
- Place the milk sample from the pipette into the reservoir of the test strip 100µl by compressing the ball again.
- The surplus milk in the overflow tanks of the pipette should not be on the test strip to be installed!



Storage: 4 – 16° C to ensure in accordance to the specifications the sensitivity of 12 month from production date. Store in a dark place and not frozen. To the best of our knowledge, the information contained herein are accurate and complete however, none of the information is to be construed as a warranty.

