

## Beta-lactams Test Kit

(Beta-Lactam Test Kit)

Cat. No.: A10001; 96T/Kit

### INTRODUCTION

The **Beta-Lactam Test**, an enzyme-linked receptor-binding assay that detects penicillin G, ampicillin, amoxicillin, oxacillin, cloxacillin, dicloxacillin, nafcillin, cefquinome, cefacetrile, cefalonium, cefazolin, cefoperazone, cephalirin, ceftiofur in raw, commingled cow milk at or below established tolerance and/or safe levels.

### Kit Components

1. Test Strip, 12 pack, each pack 8 strips.
2. Manual Instruction
3. 100pcs/bag tips

### Components Required, But Not Provided

1. Sample Tube
2. Pipette
3. Well-tray

### Storage

Storage at 2~8°C, out of sun light and moisture, unrefrigerated.

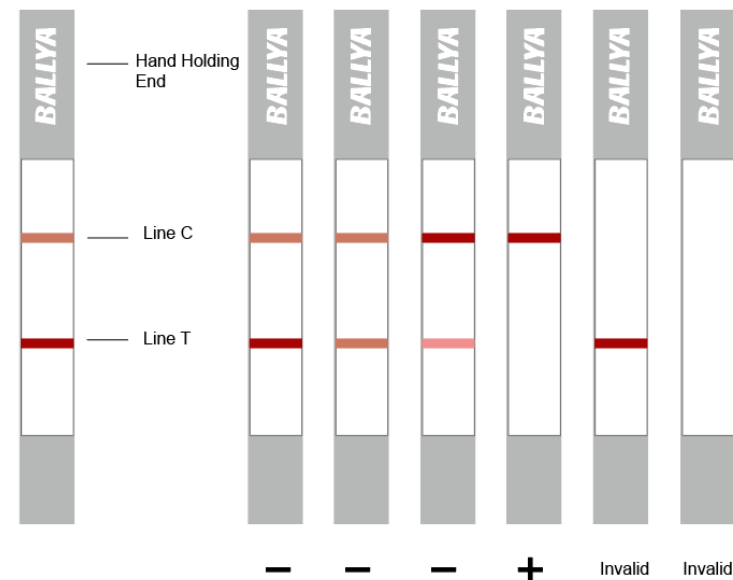
### Milk Sample Information

1. Raw, commingled cow milk
2. The milk has no precipitation or clotted.
3. The temperature of milk should be at room temperature, No need to heat or refrigerate.
4. Thoroughly mix with the reagent before testing.

### Test Procedure

1. Read the manual instruction before testing. Be sure the raw or commingled milk and test kit in room temperature. (**Note:** the milk must has no precipitation or clot )
2. Open the pack, take out the test strip and sample-well, use it within 1 hour. The unused test strip must be sealed and out of sunlight and moisture.
3. Take the sample milk, let it become **room temperature**. Drop 200ul into the microwell, repeatedly **pipetting up and down for 10 times**, mix the with the reagent in the wells completely.
4. Then wait for 5mins.
5. Insert the test strip into the microwell with the end fully dipped.
6. Timer 5 minutes, then read the results.

### Interpretation of Test Results



#### A. Reading the Results

Results must be read within 5 minutes.

**Negative:** Two lines appear.

**Positive:** Only C Line appear.

**Invalid:** No lines or only T appear.

If the result is the Presumptive Positive, reread the results after 5 minutes, or repeat the assay.

- B. If need to keep the result in record, must cut out of the Sample Pad, dry the strip and storage.

## Performance Information

$\beta$ -Lactam	MRL ( $\mu\text{g/L}$ )	Results ( $\mu\text{g/L}$ )	Cephalosporin	MRL ( $\mu\text{g/L}$ )	Results ( $\mu\text{g/L}$ )
Penicillin G	4	2-4	Cefquinome	20	15-20
Ampicillin	4	3-4	Cefacetrile	125	100
Amoxicillin	4	4-5	Cefalonium	20	18-20
Oxacillin	30	6-8	Cefoperazone	50	40-50
Cloxacillin	30	6-8	Cephapirin	60	50-60
Dicloxacillin	30	6-8	Cefalotin	-	80
Nafcillin	30	20-30	Ceftiofur	100	90-100

## Precautions and Warnings

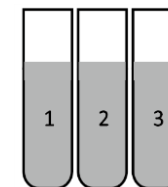
1. Do not mix sample tubes and devices from different lot numbers
2. Do not use kits past their expiration dates.
3. Do not touch the field of control/test line, while testing.
4. Keep the kits in sealed when do not use.
5. The kit is single-use, do not reuse.

## Shelf Life

12 months

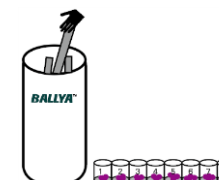
## Operation Instruction

1. Prepare the milk sample, and the sample should be in room temperature, no need to heat or refrigerate.



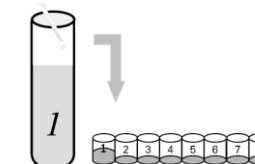
2. Take out the strip, prepare the reagents.

3. Add 200ul milk into a well, then repeatedly pipetting up and down for 10 times to mix the sample with the reagent in the wells completely.

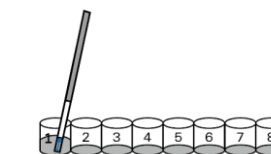


4. Then incubate for 5 minutes.

5. Insert the test strip into the microwell with the end fully dipped



6. After 5 minutes, read the results.



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