

Q-Beta™ Test Kit

(Beta-Lactam Test Kit)

Cat. No.: A1201-I; 96T/Kit

INTRODUCTION

The **Q-Beta** is 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 pieces
2. 96-Well Tray
3. Sample-Well with Reagent 96 pieces
4. Manual Instruction

Components Required, But Not Provided

1. Sample Tube
2. Pipette

Storage

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

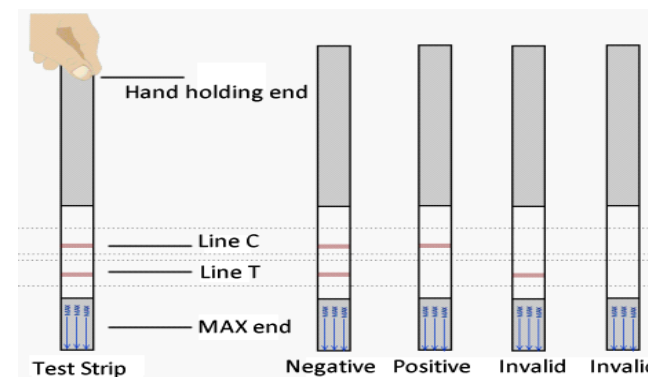
Milk Sample Information

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, drop 200ul into the Sample-Well, sufficiently dissolve the milk with reagents in 5 minutes till the sample milk become pink color.
4. Insert the test strip into the Sample-Well, after 5 minutes, 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 10 minutes, or repeat the assay.

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

Performance Information

β-Lactam	MRL (µg/L)	Results (µg/L)	Cephalosporin	MRL (µg/L)	Results (µg/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	Cefazolin	50	40-50
Cloxacillin	30	6-8	Cefoperazone	60	50-60
Dicloxacillin	30	6-8	Cephapirin	--	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

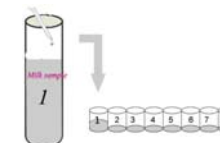
1. Prepare the milk sample, and the sample should be in room temperature, no need to heat or refrigerate.



2. Take out the strip, prepare the reagents.



3. Add 200ul milk to a well, and use pipette sufficiently dissolve with reagents in 5 minutes.



4. Insert the test strip (Sample Pad) into the Well.



5. After 5 minutes, read the results.



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