

SensiT™ - β -Lactam Plus

SensiT™ - β -Lactam Plus is a lateral flow immunoassay that allows you to rapidly detect the presence of β -lactam antibiotics including cefalexin in a milk sample.



Introduction

SensiT™ - β -Lactam Plus strip test kit is a competitive receptor-binding assay which relies on the specific interaction between receptors and β -lactam residues. It rapidly detects the presence of most commonly used β -lactam antibiotics including cefalexin in a milk sample. Each test is devised to require only two major components: a microwell and a dipstick. The microwell contains predetermined amounts of receptors conjugated to colloidal gold particles for visual labeling. The results are easily interpreted and can be obtained within a short span of six minutes on the test strip.

- ✔ Easy to use
- ✔ Accurate & reliable results
- ✔ Presumptive ID. for the presence of cefalexin



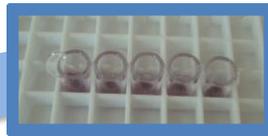
Imgen BioSciences, Inc.

151 Martine Street, Fall River, MA 02723, USA

Phone: +1 (781) 850-2047

2. Place microwells on a plastic tray

1. Set heater at 40 ° C



3. Add 200 µl of milk and mix well with reagents

Test Procedures

Wait for 3 minutes



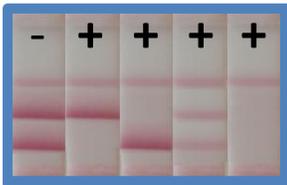
4. Place the microwells on the heater

Wait for 3 minutes



5. Insert test strips

6. Interpret results



SensiT™ -β-Lactam Plus Strip Test Kit Detects a Panel of β-lactam Antibiotics in Cow Milk

Detection Limits

Compound (MRL-ppb)		Detection Limit ppb (µg/L)
Penicillins	Penicillin-G (4)	2-3
	Ampicillin (4)	3-4
	Amoxicillin (4)	3-4
	Oxacillin (30)	12-18
	Cloxacillin (30)	6-8
	Dicloxacillin (30)	6-8
	Nafcillin (30)	30-50
Cefalosporins	Cefacetrile (125)	30-40
	Cefalexin (100)	75-100
	Cefalonium (20)	3-5
	Cefazolin (50)	20-22
	Cefoperazone (50)	3-4
	Cefquinome (20)	20-30
	Cetiofur (100)	12-16
	Cephapirin (60)	6-8

Result Interpretation

Legend:
 C = control
 T = test
 CFLX = cefalexin

Valid: C line present, T line present, CFLX line present.

Invalid: C line present, T line absent, CFLX line present.

Negative: C line present, T line present, CFLX line absent.

Positive: C line present, T line present, CFLX line present (with a red band).

Cat. No.	Product Name
STBL-020	SensiT™ β-Lactam Plus strip test kit (96 tests)
DBH-110	Dry block heater