

## Rapid Test Detecting The Two Main Classes Of Antibiotics In Milk



TwinSensor is a rapid assay in dipstick format detecting the contamination of milk samples by Betalactams and Tetracyclines molecules.

The kit is available in 2 versions : one specific to the EU maximum residue limits (KIT020) and one specific to the Russian Federation (RF) milk limits (KIT034).

The test can be used in-situ for daily controls or in laboratories for the analysis of series of milk samples. This test does not require any sample processing, cleaning or extraction.

### BENEFITS

**X2** **MULTIPLE**  
Detection of  $\beta$ -lactams & Tetracyclines.

**RAPID**  
Results in 6 minutes.

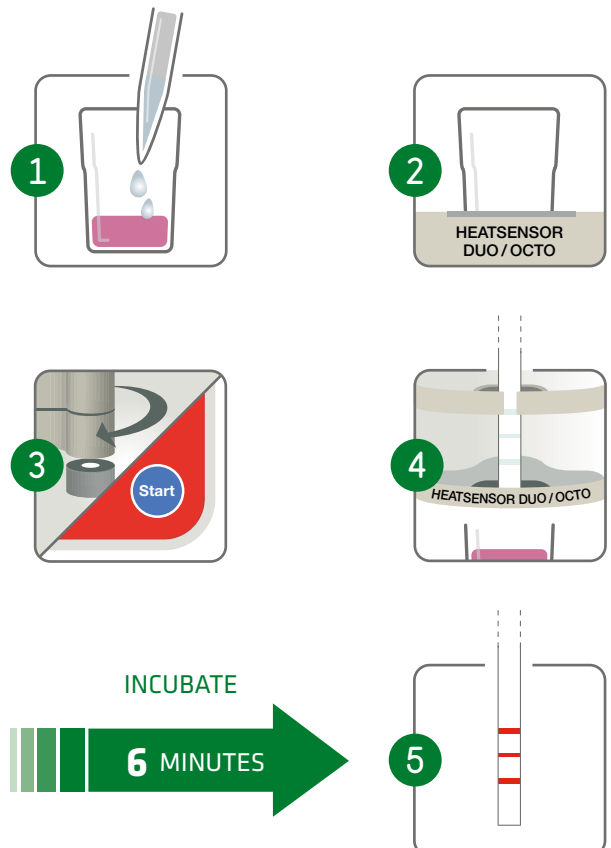
**SENSITIVE**  
Adapted to specific regulation.

**KG** **RELIABLE AND ROBUST**

**USER-FRIENDLY**  
Easily performed on site or in lab.

**€** **COST-EFFECTIVE**

### HOW TO USE



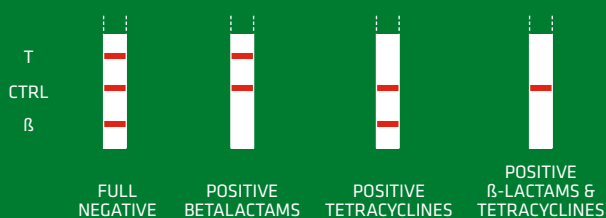
## SENSITIVITY

	β-LACTAMS	LIMITS OF DETECTION (PPB)		
		KIT020	KIT034	EU MRL
PENICILLINS	Penicillin-G	2 - 3	2 - 3	4
	Ampicillin	3 - 4	3 - 4	4
	Amoxicillin	3 - 4	3 - 4	4
	Oxacillin	12 - 18	12 - 18	30
	Cloxacillin	6 - 8	6 - 8	30
	Dicloxacillin	6 - 8	6 - 8	30
	Nafcillin	30 - 50	30 - 50	30
CEFALOSPORINS	Ceftiofur	10 - 15	10 - 15	125
	Cefquinome	20 - 30	20 - 30	20
	Cefazolin	18 - 22	18 - 22	60
	Cefapirin	6 - 8	6 - 8	20
	Cefacetrile	30 - 40	30 - 40	50
	Cefoperazone	3 - 4	3 - 4	50
	Cefalexin	> 750	> 750	20
	Cefalonium	3 - 5	3 - 5	100

	TETRACYCLINES	LIMITS OF DETECTION (PPB)		
		KIT020	KIT034	EU MRL
	Chlortetracycline	30 - 40	5 - 7	100
	Doxycycline	10 - 15	2 - 3	100
	Oxytetracycline	50 - 60	7 - 9	100
	Tetracycline	80 - 100	8 - 10	100

## RESULTS

Visual interpretation of the result obtained by comparing the intensity of each test line with the control (CTRL) line.



T: Tetracyclines - β: Betalactams

An instrumental reading is also possible with the ReadSensor device.

# TwinSensor

## PRODUCTS REFERENCES

### KIT020

TWINSSENSOR MK BT MRL - 96 PC

### KIT034

TWINSSENSOR MK BT 10PPB - 96 PC

### APP032

HEATSSENSOR DUO

### APP052

HEATSSENSOR OCTO



### APP038

READSENSOR ESE SMALL CASE

### APP039

READSENSOR ESE FULL CASE



Liège Science Park  
Allée de la Cense-Rouge, 98  
B-4102 Ougrée (Liège)  
BELGIUM

[www.unisensor.be](http://www.unisensor.be)

Phone +32 4 252 66 02  
Fax +32 4 252 90 55  
[info@unisensor.be](mailto:info@unisensor.be)

Reseller