

# Rapid Test Detecting Simultaneously Betalactams, Tetracyclines, Streptomycin And Chloramphenicol In Milk



4SENSOR is a rapid assay in dipstick format detecting the contamination of milk samples by Betalactams, Tetracyclines, Streptomycin and Chloramphenicol molecules.

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

**X4** **MULTIPLE**  
Detection of Betalactams, Tetracyclines, (Dihydro)streptomycin and Chloramphenicol.

**RAPID**  
Results in 10 minutes.

**SENSITIVE**  
EU MRLS.

**RELIABLE AND ROBUST**

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

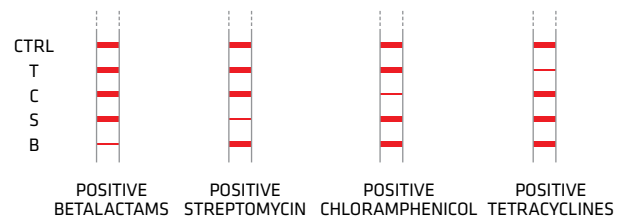
**COST-EFFECTIVE**

MEETS REQUIREMENTS  
OF THE CUSTOMS UNION



## RESULTS

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



T: Tetracyclines - C: Chloramphenicol - S: Streptomycin - B: Betalactams

An instrumental reading is also possible with the ReadSensor device.



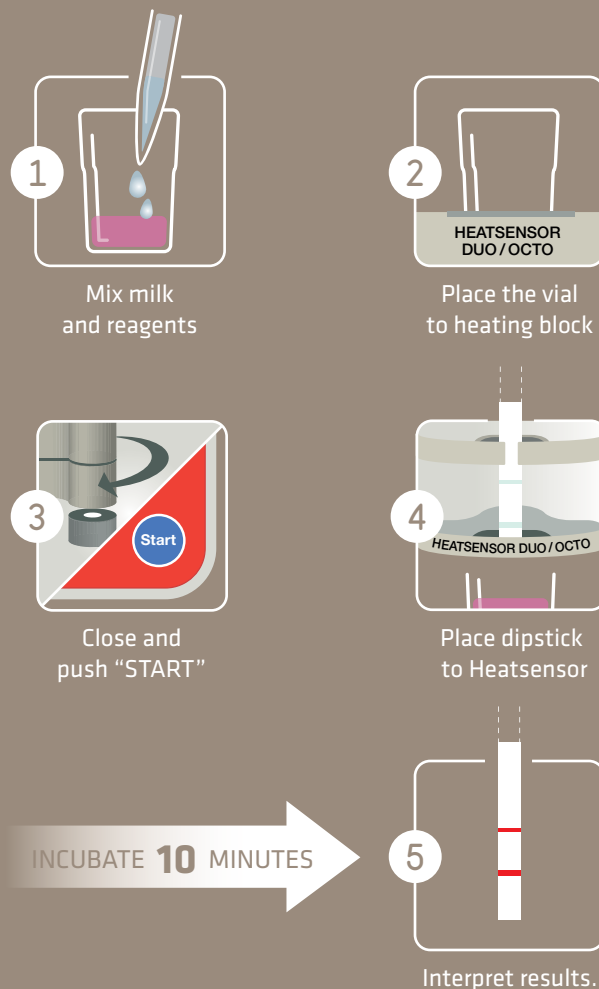
The development of the test was made in connection with Danone-Russia and All-Russia Dairy Industry Research Institute.

GOST R53774-2010 APPROVED  
GOST 32219-2013

## SENSITIVITY

<b>β-LACTAMS</b>		<b>LOD (PPB)</b>
PENICILLINS	Penicillin-G	2 - 3
	Ampicillin	3 - 4
	Amoxicillin	3 - 4
	Oxacillin	12 - 18
	Cloxacillin	6 - 8
	Dicloxacillin	6 - 8
	Nafcillin	30 - 40
CEFALOSPORINS	Ceftiofur	10 - 15
	Cefquinome	30 - 35
	Cefazolin	18 - 22
	Cefapirin	6 - 8
	Cefacetrile	30 - 40
	Cefoperazone	3 - 4
	Cefalexin	1000 - 1200
	Cefalonium	3 - 5
	<b>TETRACYCLINES</b>	
Tetracycline		8 - 10
Oxytetracycline		7 - 9
Chlortetracycline		5 - 7
Doxycycline		2 - 3
<b>CHLORAMPHENICOL</b>		<b>LOD (PPB)</b>
Chloramphenicol		0,3
<b>(DIHYDRO) / STREPTOMYCIN</b>		<b>LOD (PPB)</b>
Streptomycin		150 - 200
Dihydrostreptomycin		150 - 200

## HOW TO USE



# 4Sensor BSCT

## PRODUCTS REFERENCES

**KIT060**  
4 SENSOR MK MRL - 96 PC

**APP032**  
HEATSENSOR DUO

**APP052**  
HEATSENSOR 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



Waverssesteenweg 1110/7 Chaussée de Wavre  
OUDERGEM 1160 AUDERGHEM - BELGIUM  
T: +32 (0)2 663 15 45- F: +32 (0)2 660 20 98  
[www.intermed.be](http://www.intermed.be) - [info@intermed.be](mailto:info@intermed.be)