



**Peace of Mind in Food**



Throughout the entire **dairy chain**, using  
the **adequate test** at every moment

Peace of Mind in Food

# Immerse. Read the result.

• • •

Beta-lactams (including  
Cephalexin) and Tetracyclines



Easy to use, one step

01

No pipetting, no errors

02

ILVO Validation

03

04

High performance in any environment

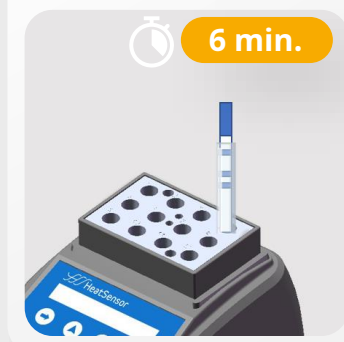
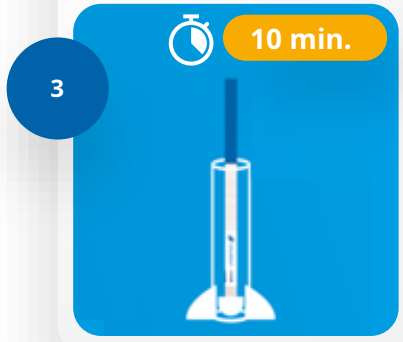
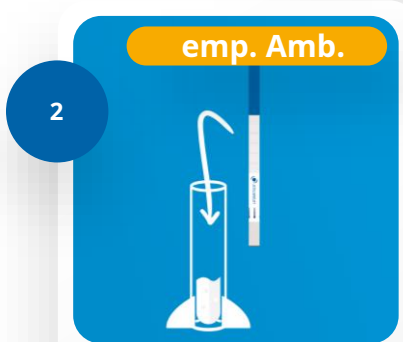
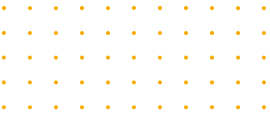
05

Minimizing plastic waste

06

High robustness



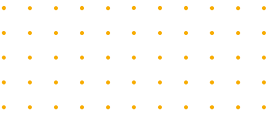


# DipSensor

## Dip. Read the result.

- 01** Dip the Dipper into the milk sample.
- 02** Place the test strip in the Dipper in contact with the milk.
- 03** Start incubation and read results.

# DipSensor



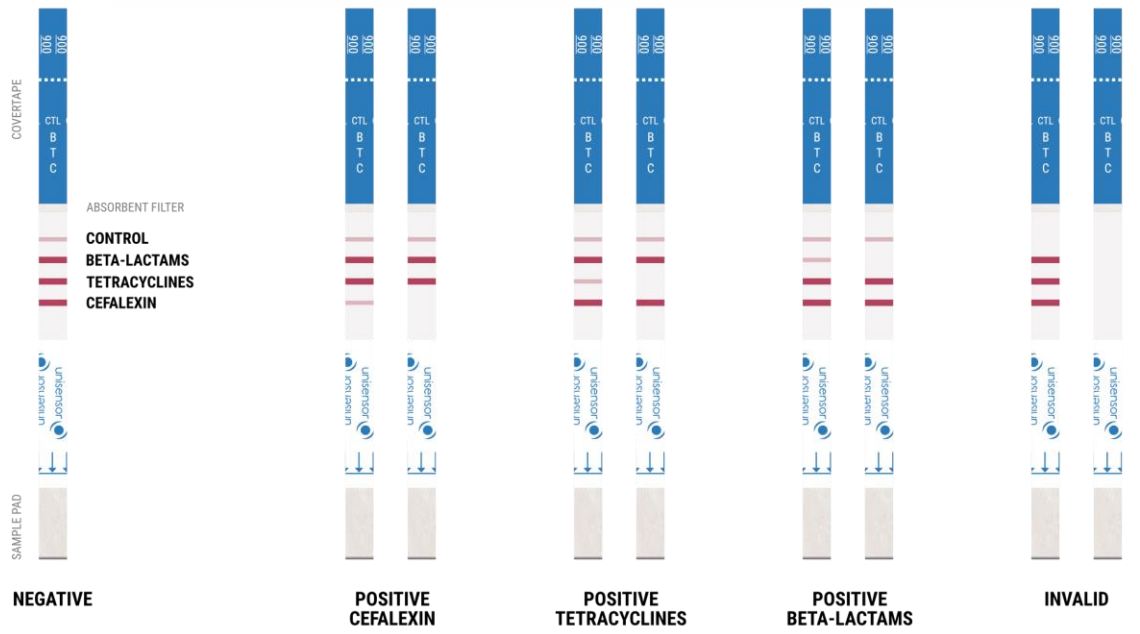
## Visual or instrumental interpretation

# DipSensor

## Dip. Read the result.



- 01 Dip the Dipper into the milk sample.
- 02 Place the test strip in the Dipper in contact with the milk.
- 03 Start incubation and read results.



# Instrumental and subsequent confirmation data management

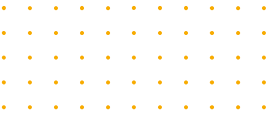


Portability, agility, traceability, connectivity



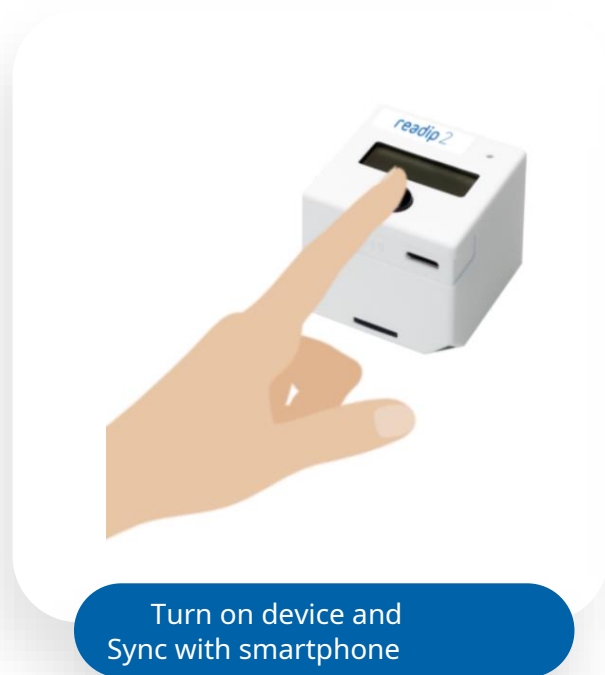
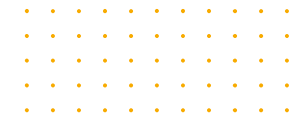


readip



# readip

## Take it wherever you want



# readip

## Take it wherever you want



01

### Agility

results directly synchronized through the **app** on the smartphone

02

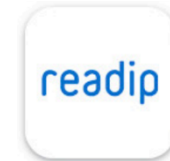
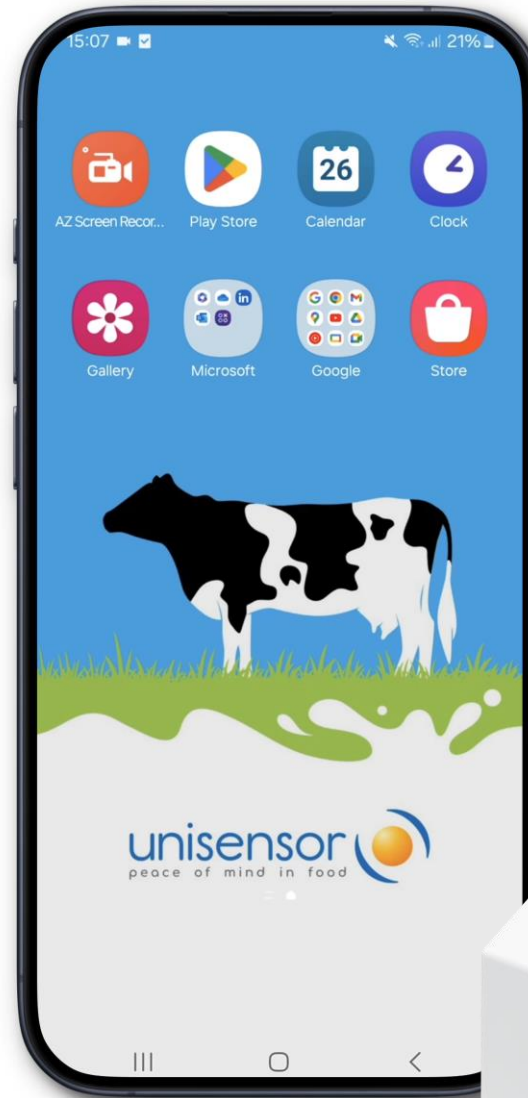
### azability

PS and imaging of the test strip.

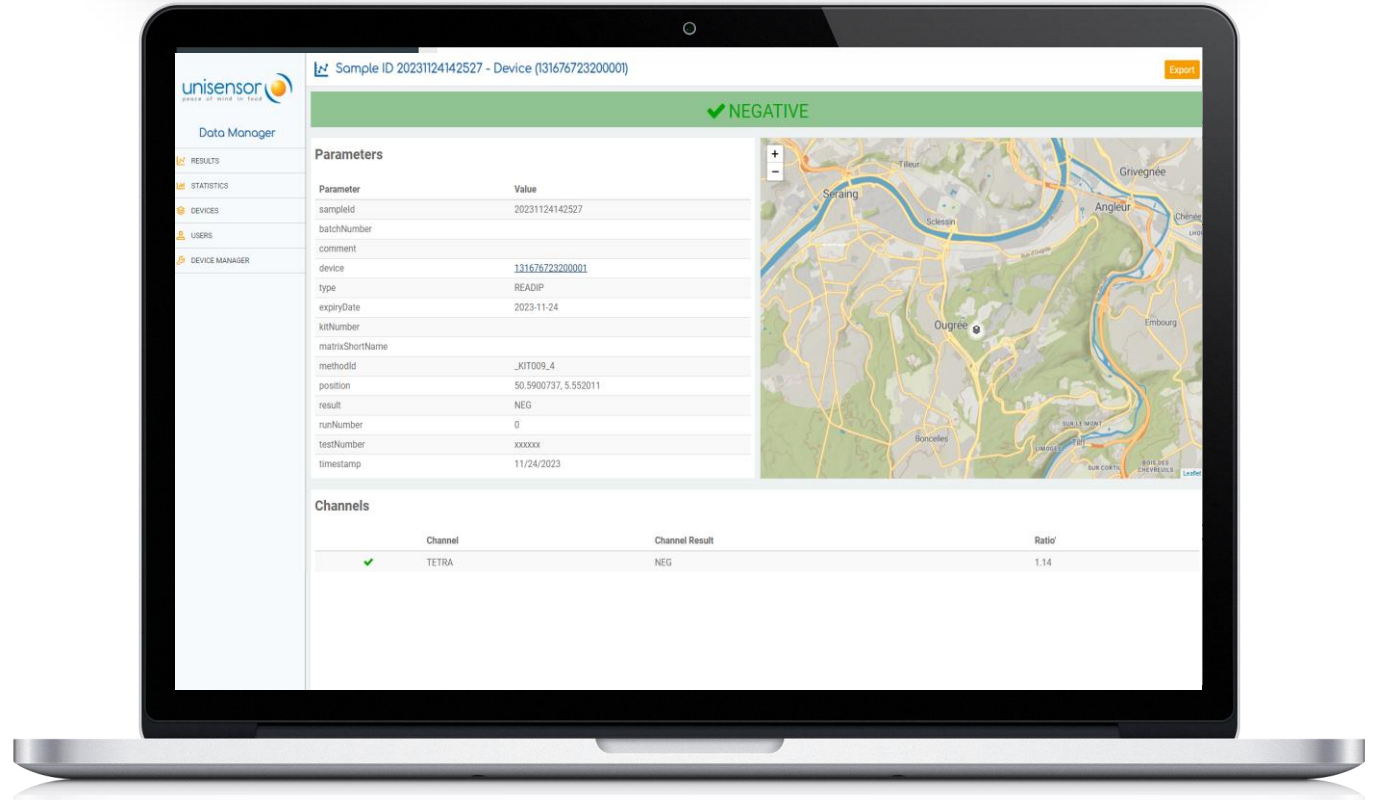
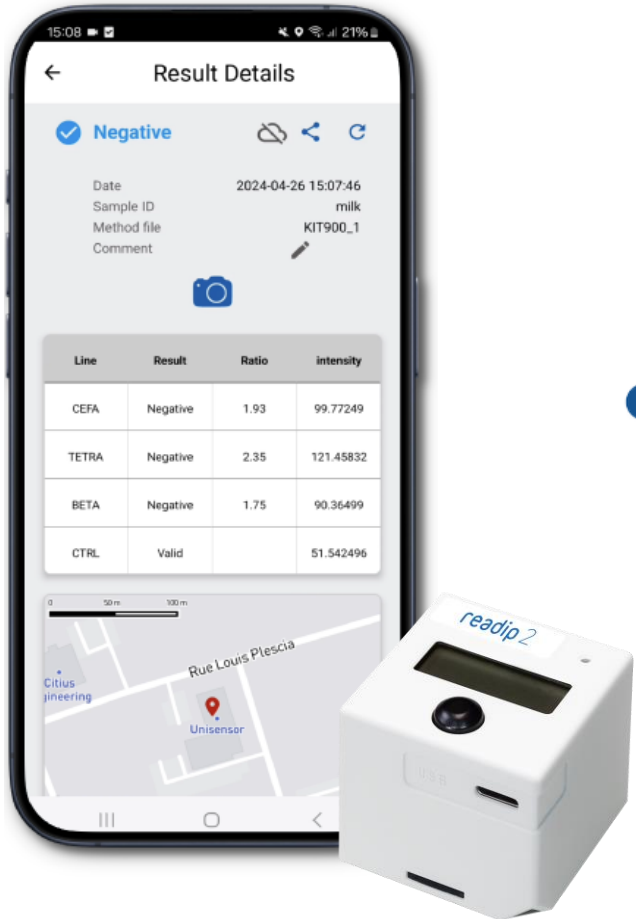
03

### onnectivity

results automatically saved by the Data Manager



# Unisensor Data Manager Platform



Laboratory

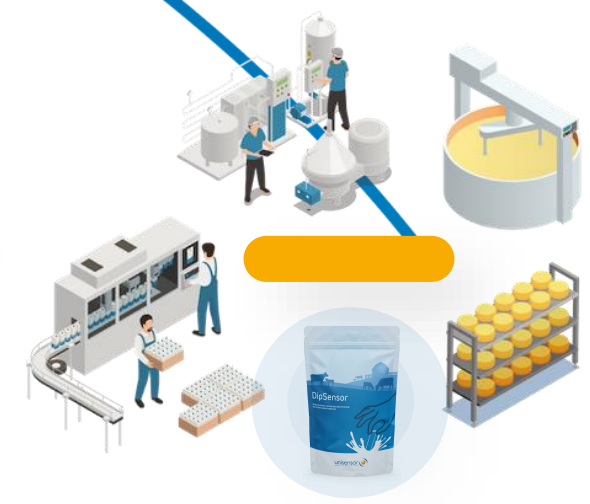


Transport



Wherever necessary  
Along the chain of  
dairy value

Fermentation





# DipSensor y readip

Protect the quality of your milk Solutions adapted  
for use in the field

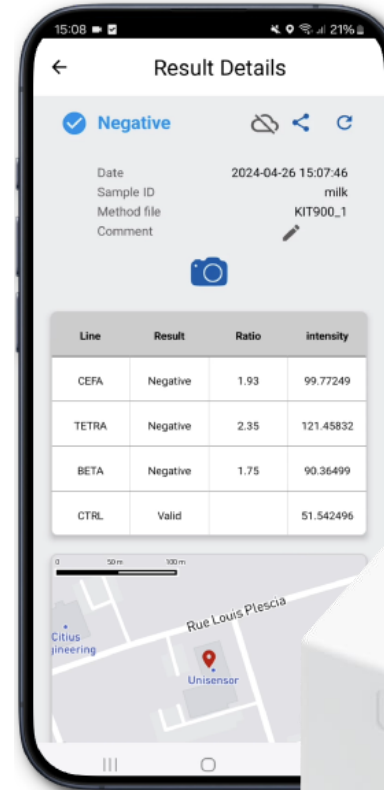
---



Protect the quality of your milk with solutions tailored for use in the field



DipSensor  
tests x25  
dippers x5



“

It is very important for us to have a fast and reliable service. It gives us security at work and allows us to avoid sanctions.

**Advantages of the test: result in 10 min  
requires power supply.**

- Belgian livestock farm







**Peace of Mind in Food**



# Are you a milk producer?

**Manage antibiotic risk with confidence on the farm**



**Detection of beta-lactams (including cephalexin) and tetracyclines in cow's milk**

**Easy - Reliable - No equipment needed**

**Adapted  
in use  
on the farm**



WE DEVELOP ANTIBIOTIC TESTS FOR USE ON THE FARM

# DipSensor<sup>®</sup>

DETECTION OF BETA-LACTAMICS (INCLUDING CEPHALEXIN) AND TETRACYCLINES IN COW'S MILK

01



Dip the tube  
in milk

02



Place the test strip in the  
tube in contact with the milk

03



Incubate for 10 minutes  
at room temperature

## VISUAL INTERPRETATION OF RESULTS



CONTACT US

[info@unisensor.be](mailto:info@unisensor.be)

# DipSensor<sup>®</sup>

*Dip. Read your result!*

Manage antibiotic risk in milk  
with confidence

*Easy sampling anywhere  
Flexible protocols for field and lab use  
Easy interpretation*

Validated by

**ILVO**

Have you ever had concerns that your milk might be contaminated?



## DipSensor helps you to manage the antibiotic risk at the farm and at the dairy

If the antimicrobial risk within a herd is not evaluated properly, the consequences for farmers can be extremely serious:

- Milk tests positive for antibiotics by the dairy, resulting in penalties
- Contamination of the whole milk collection truck

At the dairy level, residues of antibiotics, combined or not, even if they are below MRLs, can interfere with yogurt and cheese manufacturing processes and disrupt acidification.

To address these challenges, the **DipSensor® system offers two tailored solutions: the KIT900 and the KIT972**, each designed to detect specific families of antibiotics, providing precise risk management.

- **KIT900:** This kit is specialized in detecting beta-lactams, including cefalexin, and tetracyclines. It is the ideal choice for standard detection needs.
- **KIT972:** This kit extends detection capabilities by including not only beta-lactams and tetracyclines but also (fluoro)quinolones and sulfonamides, providing a more comprehensive solution for environments with multiple risk factors.



## Why DipSensor?

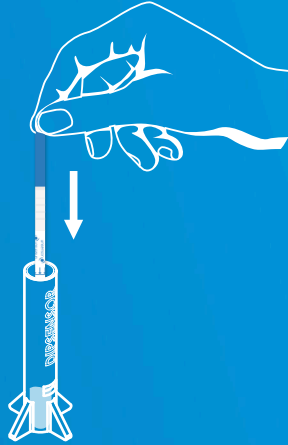
- One-step test: easy sampling, no pipette required
- Works with cow, sheep and goat milk
- Incubate at room temperature or 40°C
- Read results visually or with an instrument
- Minimize plastic waste

# DipSensor<sup>®</sup>

## Farm test



Place the Dipper into the milk



Insert the test strip in the Dipper in contact with the milk



10 MINUTES

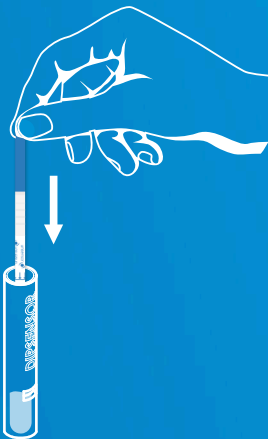


Incubate at room temperature

## Lab test



Place the Dipper into the milk



Insert the test strip in the Dipper in contact with the milk

6 OR 8 MINUTES



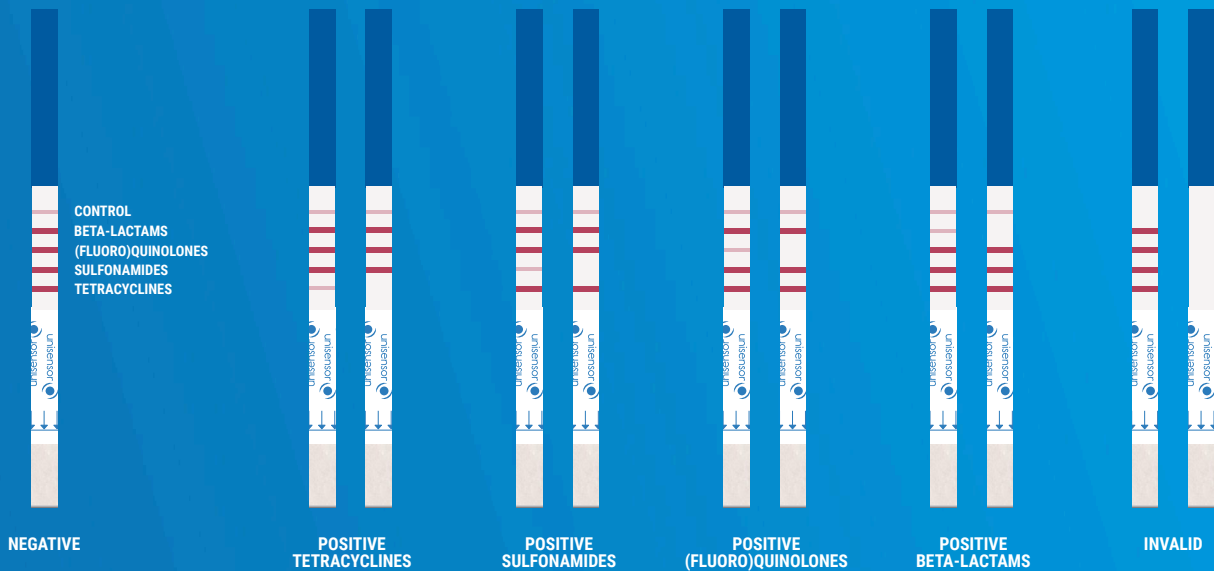
Incubate at 40°C for faster results

# DipSensor®

## DipSensor - KIT900



## DipSensor BQST- KIT972



The appearance of the lines on the actual test strips may differ from the lines shown here. It is important to compare the intensity of the control line with that of the contaminant line. Please contact Unisensor Sales or Customer Service for more information on visual interpretation.

# DipSensor<sup>®</sup> For Farms

- ✓ No instrument needed!
- ✓ Ambient temperature incubation

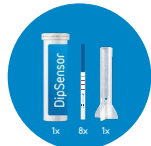
- ✓ 10 minutes to result
- ✓ Easy interpretation



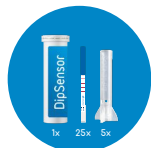
**ILVO**  
Flanders Research Institute for  
Agriculture, Fisheries and Food

**DETECTING BETA-LACTAMS, INCLUDING CEFALEXIN,  
AND TETRACYCLINES**

**KIT900×8**  
(8 TESTS)



**KIT900×25**  
(25 TESTS)



**DETECTING BETA-LACTAMS, TETRACYCLINES,  
(FLUORO)QUINOLONES AND SULFONAMIDES**

**KIT972×8**  
(8 TESTS)



**KIT972×25**  
(25 TESTS)



# DipSensor<sup>®</sup> For Labs & Dairies

- ✓ Get results faster!
- ✓ 6 or 8 minutes to result

- ✓ 40°C incubation
- ✓ Minimize plastic waste

**KIT900×100**  
(100 TESTS)



**ILVO**  
Flanders Research Institute for  
Agriculture, Fisheries and Food

**DETECTING BETA-LACTAMS, INCLUDING CEFALEXIN,  
AND TETRACYCLINES**

**KIT972×100**  
(100 TESTS)



**DETECTING BETA-LACTAMS, TETRACYCLINES,  
(FLUORO)QUINOLONES AND SULFONAMIDES**



## INSTRUMENTAL INTERPRETATION



**READSENSOR 2**  
APP088  
*Desktop reader*

OR

**READIP 2**  
APP073  
*Pocket reader*



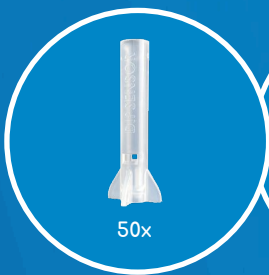
Digital interpretation of the test results with the Readip App



*Readip 1 still supports result interpretation, although the new Readip 2 offers enhanced smartphone compatibility. Readip 2 is currently compatible with KIT900 series.*

## DipSensor®

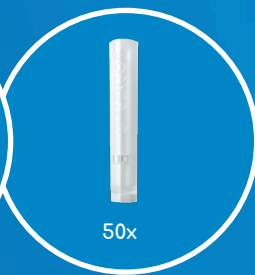
### Accessories



50x

**DIPPER50F**

*Ambient temperature Dipper*



50x

**DIPPER50L**

*40°C Dipper*



*Available separately*

*Reusable*

# Sensitivity table

BETA-LACTAMS											
PENICILLINS						CEPHALOSPORINS					
	EU MRL	KIT900		KIT972			EU MRL	KIT900		KIT972	
		LOD (ppb)**						LOD (ppb)**			
		Incubation temperature						Incubation temperature			
		(ppb)	RT	40°C	RT			40°C	(ppb)	RT	40°C
Amoxicillin	4	3 - 4	2 - 3	3 - 4	2 - 3	Cefacetile	125	15 - 20	10 - 15	15 - 20	15 - 20
Ampicillin	4	3 - 4	2 - 3	3 - 4	2 - 3	Cefalexin	100	40 - 60	80 - 100	600 - 700	500 - 600
Aspoxicillin	-	5 - 10	5 - 10	***	***	Cefalonium	20	2 - 3	1 - 2	2 - 3	1 - 2
Cloxacillin	30	14 - 20	8 - 20	15 - 20	8 - 10	Cefazolin	50	10 - 15	8 - 10	10 - 15	8 - 10
Dicloxacillin	30	8 - 10	5 - 6	8 - 10	5 - 6	Cefoperazone	50	0.5 - 1	0.5 - 1	0.5 - 1	0.5 - 1
Nafcillin	30	100 - 150	100 - 125	100 - 150	70 - 100	Cefquinome	20	19 - 20	16 - 20	19 - 20	17 - 20
Oxacillin	30	14 - 20	8 - 20	15 - 20	8 - 10	Ceftiofur	100*	10 - 15	10 - 15	10 - 15	8 - 10
Penicillin G Benzylpenicillin	4	1 - 2	0.75 - 1	1 - 2	0.75 - 1	Desfuroyl ceftiofur		60 - 70	40 - 60	60 - 70	50 - 60
Phenoxyethylpenicillin	-	2 - 5	2 - 5	***	***	Cefuroxime	-	100 - 300	50 - 200	100 - 120	90 - 100
Piperacillin	-	1 - 4	1 - 4	***	***	Cephapirin	60*	3 - 4	2 - 3	3 - 4	2 - 3
Ticarcillin	-	10 - 30	10 - 30	***	***	Desacetylcephapirin		20 - 25	25 - 35	20 - 25	20 - 25

TETRACYCLINES						SULFONAMIDES					
	EU MRL	KIT900		KIT972			EU MRL	KIT900		KIT972	
		LOD (ppb)**						LOD (ppb)**			
		Incubation temperature						Incubation temperature			
		(ppb)	RT	40°C	RT			40°C	(ppb)	RT	40°C
Chlortetracycline	100	35 - 45	25 - 35	35 - 45	35 - 45	Sulfadiazine	-	-	20 - 25	25 - 30	
4-Epimer of chlortetracycline	100	40 - 50	30 - 40	***	***	Sulfapyridine	-	-	1 - 2	1 - 2	
Oxytetracycline	100	10 - 15	10 - 15	15 - 25	15 - 25	Sulfathiazole	-	-	10 - 15	20 - 30	
4-Epimer of oxytetracycline	100	30 - 40	25 - 35	***	***	Sulfamethazine	-	-	7 - 10	4 - 6	
Tetracycline	100	30 - 40	25 - 35	30 - 40	30 - 40	Sulfadimethoxine	100*	-	-	30 - 35	35 - 40
4-Epimer of tetracycline	100	30 - 40	25 - 35	***	***	Sulfamerazine		-	-	8 - 10	6 - 9
Doxycycline	-	10 - 15	10 - 15	15 - 25	15 - 25	Sulfamonomethoxine		-	-	20 - 25	25 - 35
						Sulfaquinoxaline		-	-	30 - 35	40 - 50
						Sulfachloropyridazine		-	-	20 - 25	40 - 50
						Sulfaguanidine		-	-	20 - 25	45 - 50

(FLUORO)QUINOLONES					
	EU MRL	KIT900		KIT972	
		LOD (ppb)**			
		Incubation temperature			
		(ppb)	RT	40°C	RT
Norflloxacin	-	-	-	30 - 35	25 - 30
Enrofloxacin	100*	-	-	30 - 35	30 - 35
Ciprofloxacin		-	-	20 - 25	15 - 20
Danofloxacin	30	-	-	25 - 30	20 - 25
Marbofloxacin	75	-	-	35 - 40	30 - 35
Sarafloxacin	-	-	-	20 - 25	15 - 20
Flumequine	50	-	-	40 - 45	35 - 40
Oxolinic acid	-	-	-	140 - 150	130 - 140
Difloxacin	-	-	-	25 - 30	20 - 25
Enoxacin	-	-	-	30 - 35	20 - 25
Lomefloxacin	-	-	-	40 - 45	30 - 35

\* The MRL is applied to the sum of both residues

\*\* Based on the results of raw cow milk

\*\*\* Compound detected by KIT972 for which LOD has not been yet determined

# Unisensor - Who We Are

## Our Mission

Bringing smart diagnostic solutions from the laboratory to the field.

We have consistently met field challenges by innovating with advanced, intelligent diagnostic solutions that go beyond traditional laboratory boundaries.

With our unmatched technologies, we don't simply strive for product enhancement, we aspire to revolutionize the contours of our industry.

## Our Vision: Peace Of Mind in Food

Consumer confidence is essential for food producers. With our products, we help them guarantee superior quality food that meets consumers' expectations.

