
unisensor
peace of mind in food
DipSensor®
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

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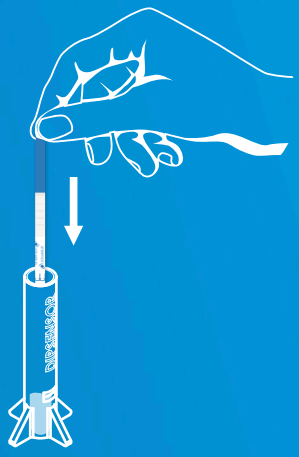
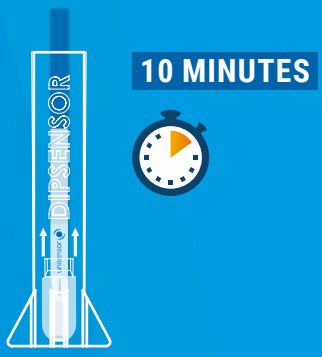
DipSensor®

Farm test

Place the Dipper
into the milk



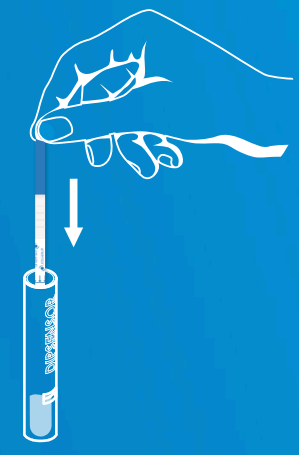
Insert the test strip in the Dipper
in contact with the milk



Incubate
at room temperature

Lab test

Place the Dipper
into the milk



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

Incubate at 40°C
for faster results

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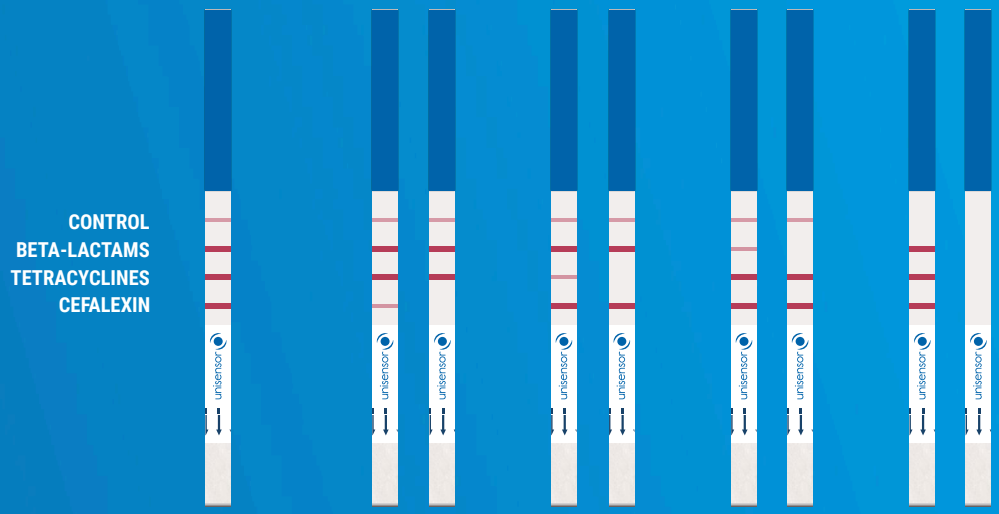
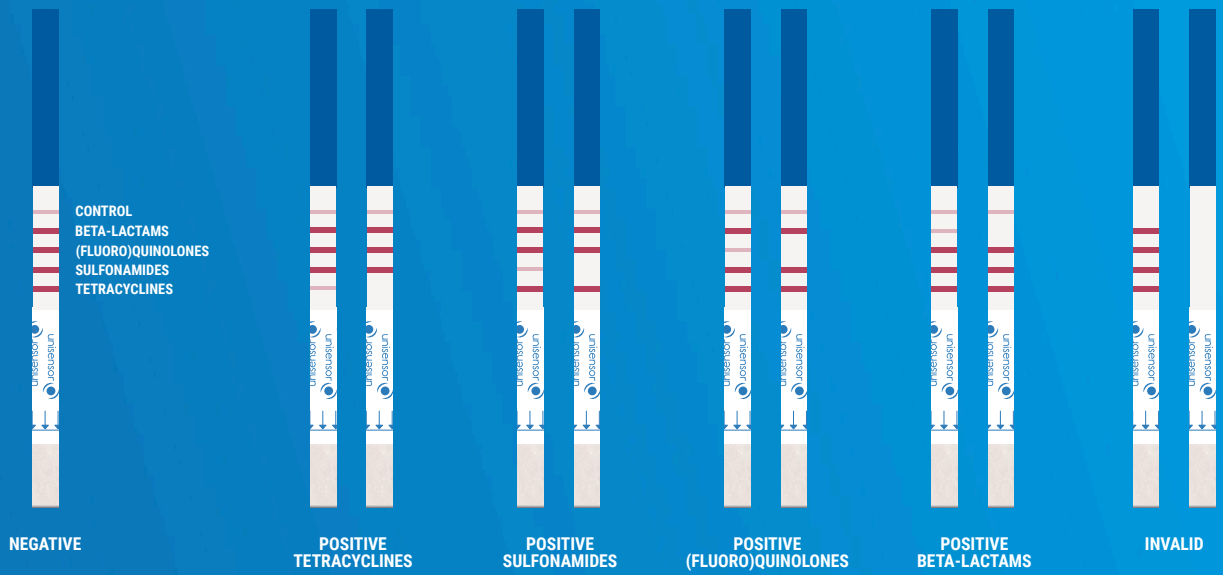
DipSensor - KIT900



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.

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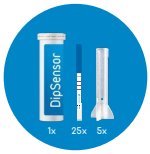
DipSensor®
For Farms

- ☑ *No instrument needed!*
- ☑ *Ambient temperature incubation*
- ☑ *10 minutes to result*
- ☑ *Easy interpretation*

DETECTING BETA-LACTAMS, INCLUDING CEFALEXIN, AND TETRACYCLINES

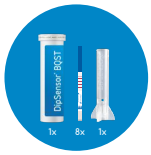
KIT900×8
(8 TESTS)

KIT900×25
(25 TESTS)

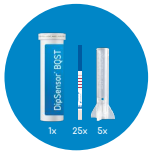


DETECTING BETA-LACTAMS, TETRACYCLINES, (FLUORO)QUINOLONES AND SULFONAMIDES

KIT972×8
(8 TESTS)



KIT972×25
(25 TESTS)



DipSensor®
For Labs & Dairies

- ☑ *Get results faster!*
- ☑ *6 or 8 minutes to result*
- ☑ *40°C incubation*
- ☑ *Minimize plastic waste*

KIT900×100
(100 TESTS)

ILVO

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

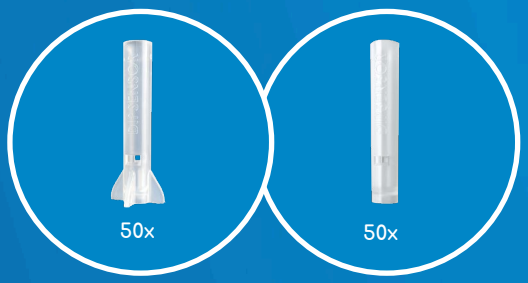
Digital interpretation of the test results with the Readip App

readip

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



DIPPER50F
Ambient temperature Dipper

DIPPER50L
40°C Dipper

☑ *Available separately*
☑ *Reusable*

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Sensitivity table

BETA-LACTAMS

PENICILLINS

	EU MRL	KIT900 LOD (ppb)** Incubation temperature		KIT972 LOD (ppb)** Incubation temperature	
	(ppb)	RT	40°C	RT	40°C
Amoxicillin	4	3 - 4	2 - 3	3 - 4	2 - 3
Ampicillin	4	3 - 4	2 - 3	3 - 4	2 - 3
Aspoxicillin	-	5 - 10	5 - 10	***	***
Cloxacillin	30	14 - 20	8 - 20	15 - 20	8 - 10
Dicloxacillin	30	8 - 10	5 - 6	8 - 10	5 - 6
Nafcillin	30	100 - 150	100 - 125	100 - 150	70 - 100
Oxacillin	30	14 - 20	8 - 20	15 - 20	8 - 10
Penicillin G Benzylpenicillin	4	1 - 2	0.75 - 1	1 - 2	0.75 - 1
Phenoxymethylpenicillin	-	2 - 5	2 - 5	***	***
Piperacillin	-	1 - 4	1 - 4	***	***
Ticarcillin	-	10 - 30	10 - 30	***	***

CEPHALOSPORINS

	EU MRL	KIT900 LOD (ppb)** Incubation temperature		KIT972 LOD (ppb)** Incubation temperature	
	(ppb)	RT	40°C	RT	40°C
Cefacetrile	125	15 - 20	10 - 15	15 - 20	15 - 20
Cefalexin	100	40 - 60	80 - 100	600 - 700	500 - 600
Cefalonium	20	2 - 3	1 - 2	2 - 3	1 - 2
Cefazolin	50	10 - 15	8 - 10	10 - 15	8 - 10
Cefoperazone	50	0.5 - 1	0.5 - 1	0.5 - 1	0.5 - 1
Cefquinome	20	19 - 20	16 - 20	19 - 20	17 - 20
Ceftiofur	100*	10 - 15	10 - 15	10 - 15	8 - 10
Desfuroyl ceftiofur		60 - 70	40 - 60	60 - 70	50 - 60
Cefuroxime	-	100 - 300	50 - 200	100 - 120	90 - 100
Cephapirin	60*	3 - 4	2 - 3	3 - 4	2 - 3
Desacetylcephapirin		20 - 25	25 - 35	20 - 25	20 - 25

TETRACYCLINES

	EU MRL	KIT900 LOD (ppb)** Incubation temperature		KIT972 LOD (ppb)** Incubation temperature	
	(ppb)	RT	40°C	RT	40°C
Chlortetracycline	100	35 - 45	25 - 35	35 - 45	35 - 45
4-Epimer of chlortetracycline	100	40 - 50	30 - 40	***	***
Oxytetracycline	100	10 - 15	10 - 15	15 - 25	15 - 25
4-Epimer of oxytetracycline	100	30 - 40	25 - 35	***	***
Tetracycline	100	30 - 40	25 - 35	30 - 40	30 - 40
4-Epimer of tetracycline	100	30 - 40	25 - 35	***	***
Doxycycline	-	10 - 15	10 - 15	15 - 25	15 - 25

SULFONAMIDES

	EU MRL	KIT900 LOD (ppb)** Incubation temperature		KIT972 LOD (ppb)** Incubation temperature	
	(ppb)	RT	40°C	RT	40°C
Sulfadiazine	100*	-	-	20 - 25	25 - 30
Sulfapyridine		-	-	1 - 2	1 - 2
Sulfathiazole		-	-	10 - 15	20 - 30
Sulfamethazine		-	-	7 - 10	4 - 6
Sulfadimethoxine		-	-	30 - 35	35 - 40
Sulfamerazine		-	-	8 - 10	6 - 9
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 LOD (ppb)** Incubation temperature		KIT972 LOD (ppb)** Incubation temperature	
	(ppb)	RT	40°C	RT	40°C
Norfloxacin	-	-	-	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.

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