

unisensor
peace of mind in food

TwinSensor®

A legacy of excellence
in milk quality assurance.



Validated by
ILVO



TwinSensor®

A Reference Standard in Milk Antibiotic Detection

For over two decades, Twinsensor® has set the benchmark for high-quality antibiotic residue detection in milk, becoming a trusted reference in laboratories and dairies worldwide.

Recognized for its reliability, robust and reproducible results, it has consistently met the stringent demands of both industry professionals and regulatory authorities.

Today, this legacy continues with the KIT106 Twinsensor® Plus – a new evolution built on the same trusted technology, offering enhanced features while maintaining the uncompromising quality that has made Twinsensor® the gold standard in milk testing.

Comparative Overview of the Two Kits

FEATURE	TWINSensor® (KIT020)	TWINSensor® PLUS (KIT106)
ANTIBIOTICS DETECTED	B-LACTAMS & TETRACYCLINES	B-LACTAMS, TETRACYCLINES & CEFALEXIN
REGULATION FOCUS	EU MRL LEGISLATION	EU MRL REGULATIONS & UPDATED FASFC
FORMAT	96 TESTS	96 TESTS
INCUBATION TIME	6 MINUTES @ 40°C	6 MINUTES @ 40°C
RESULT READING	VISUAL, WITH READSENSOR 2 OR READIP 2	VISUAL, WITH READSENSOR 2 OR READIP 2

Need to detect Cefalexin?

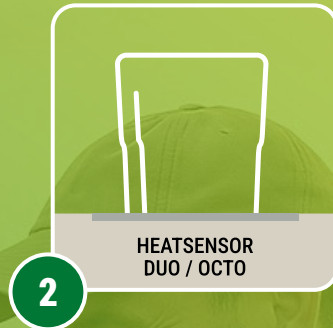
Choose TwinSensor® Plus (KIT106) – extended to include Cefalexin, under MRL limits.



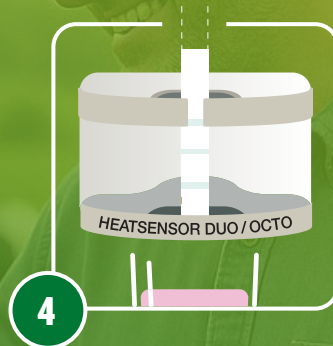
Simple Workflow



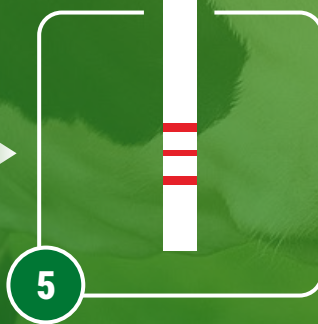
Mix milk sample



Start incubation at
40°C



Strip immerses and
migration occurs

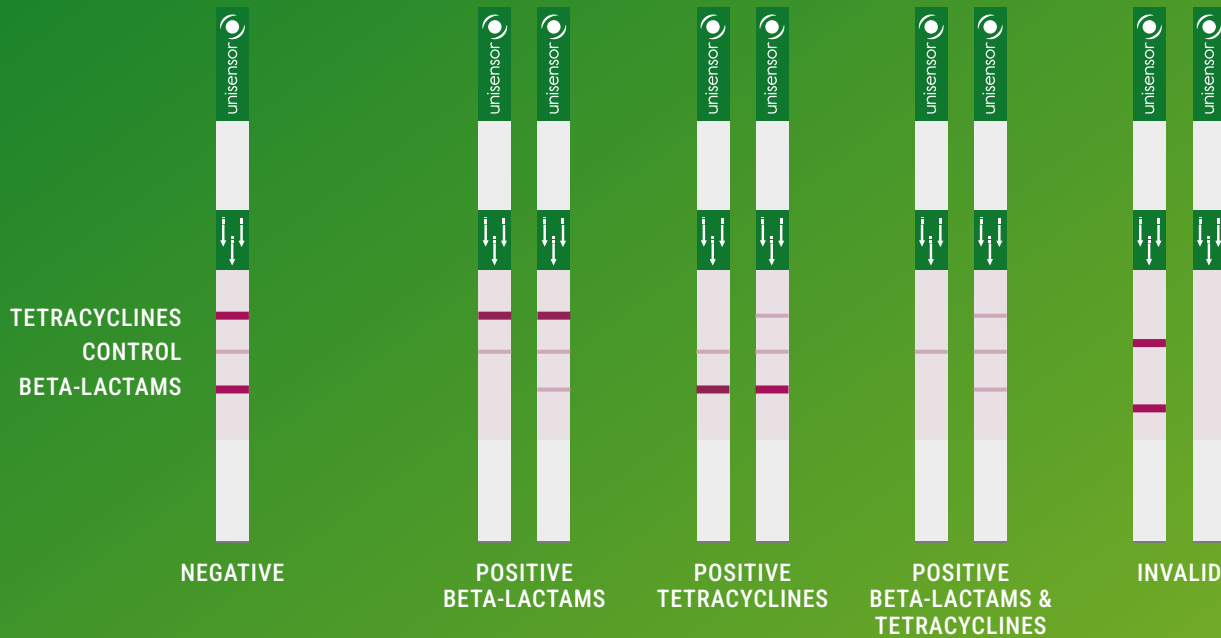


Read the result
(visually, with ReadSensor 2 or Readip 2)

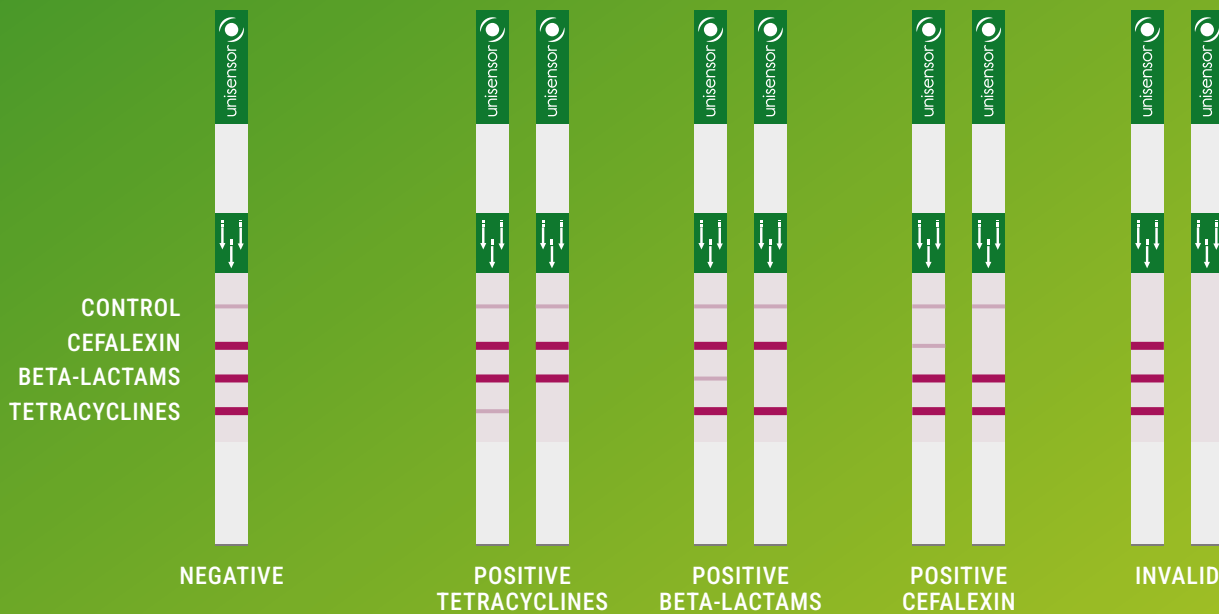


TwinSensor®

TwinSensor - KIT020



TwinSensor Plus - KIT106



Sensitivity Table

BETA-LACTAMS							
PENICILLINES				CEFALOSPORINES			
	EU MRL	LOD (PPB)			EU MRL	LOD (PPB)	
		KIT 020	KIT 106			KIT 020	KIT 106
Ampicillin	4	3-4	2-4	Ceftiofur	100*	10-15	10-15
Penicillin	4	2-3	2-3	Desfuroyl Ceftiofur		60-80	60-80
Amoxicillin	4	3-4	3-4	Cefquinome	20	18-20	15-20
Oxacillin	30	8-12	9-18	Cefazolin	50	10-18	14-22
Cloxacillin	30	6-8	6-10	Cefapirin	60*	3-6	6-8
Dicloxacillin	30	6-8	6-10	Desacetyl Cephapirin		18-30	25-50
Nafcillin	30	50-70	80-125	Cefacetrile	125	16-30	15-30
Piperacillin	-	-	1-4	Cefoperazone	50	3-4	3-6
Ticarcillin	-	-	15-30	Cefalexin	100	750-1250	50-100
Aspoxicillin	-	-	1-5	Cefalonium	20	3-5	3-5
Penicillin-V	-	-	2-4	Cefalotine	-	-	4-6
				Ceftriaxone	-	-	5-10
				Ceftizoxime	-	-	300-450
				Cefotaxime	-	-	20-40
				Cefuroxime	-	-	90-125

TETRACYCLINES (PPB)			
	EU MRL	LOD (PPB)	
		KIT 020	KIT 106
Tetracycline	100	80-100	80-100
Oxytetracycline	100	25-50	30-60
Chlortetracycline	100	20-30	20-40
Doxycycline	N.F.U.	5-10	7-15

LOD: Limit of detection

EU MRL: European Union Maximum Residue Level.

(*) The MRL is applied on the sum of both residues.

n.f.u.: Not for use in animals from which milk or eggs are produced for human consumption.

Compatible Accessories

- HeatSensor Duo (APP032) - Incubator
- HeatSensor Octo (APP052) - Incubator
- ReadSensor 2 (APP088) - For instrumental analysis
- Readip 2 (APP073) - For instrumental analysis





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.

