

Detect key  
contaminants  
in milk

Improve  
fermentation  
process

extens 

Ensure the quality  
of your dairy products





# Assess the risk for your fermentation process, and reduce it

Residues of antibiotics, combined or not, even if they are below MRLs, can interfere with yogurt and cheese manufacturing processes and disrupt acidification.

EXTENSO helps you manage this risk easily.

Adapt the detection spectrum according to your specific risks. Whether you need periodic monitoring or daily screening, choose the ideal combination of contaminants and optimise costs. Define your own surveillance plan with the most flexible device on the market!

# Get the big picture of your milk

## Detect up to 100 antibiotics, aflatoxin and melamine with a single test

Comply with increasingly strict regulations by monitoring your milk periodically and assessing its antibiotic risk profile. Then, create a specific screening plan for your needs.

## Ensure the superior quality of your end products

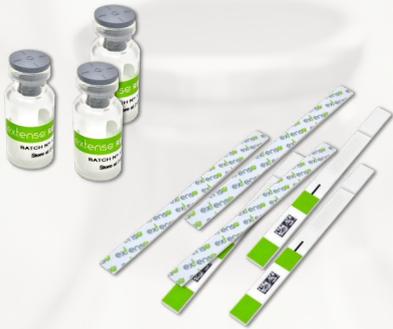
Stand out from your competitors and protect your brand at the same time.

Testing for contaminants costs much less than the damage to your reputation caused by product recalls. Minimise risk and maximise product quality.

## Complete traceability for every sample

EXTENSO delivers full traceability for each sample, thanks to a unique code on every test.

Lateral flow strips are tagged with specific barcodes to ensure clear sample identification and batch recognition.



CHANNEL ID	FAMILY NAMES OF THE COMPOUNDS	COMPOUNDS DETECTED	DETECTION CAPABILITY µg/kg - ppb	EU-MRL/MRPL µg/kg - ppb ( ) = CODEX
AFLA	Mycotoxins	Aflatoxin M1	0.4-0.5	0.05 (0.5)
AZINE	Melamine	Melamine	20-30	1000-2500
	Pyrimidine derivatives	Trimethoprim	200-300	50
BETA	Beta-lactams - Penicillins	Amoxicillin	2-4	4 (4)
		Ampicillin	2-4	4
		Benzympenicillin (Pen G)	1-2	4 (4)
		Phenoxymethylpenicillin (Pen V)	2-4	/
		Cloxacillin	6-12	30
		Nafcillin	≥350	30
		Dicloxacillin	4-8	30
		Oxacillin	8-16	30
		Penethamate	30-55	4
		Piperacillin	≤1	/
		Ticarcillin	≤15	/
		Aspoxicillin	≤2	/
		Sulbactam	≤1000	/
	Tazobactam	500-1000	/	
	Beta-lactams - Cephalosporins	Cefalonium	2-3	20
		Cefazolin	5-9	50
		Cefoperazone	2-3	50
		Cefquinome	7-14	20
		Ceftiofur	4-8	100** (100)
		Desfuroylceftiofur	30-60	
		Cephapirin	2-4	60**
		Desacetylcephapirin	8-16	
		Cefacetrile	5-9	125
Ceftizoxime		100-200	/	
Cefuroxime	45-90	/		
Ceftriaxone	3-6	/		
CAP	Phenicol	Chloramphenicol	0.10-0.15	n.f.u. (0.3)
CEFA	Beta-lactams - Cephalosporins	Cefalexin	6-10	100
		Cefadroxil	5-10	/
COLI	Polymyxins	Colistin	15-30	50 (50)

These limits of detection should be considered as indicative values. They will be precisely defined and confirmed by subsequent validation studies.

TBD : to be determined

n.f.u : not for use in animals producing milk for human consumption - not permissible taking into consideration the limit of the reference method

\* : sum of parent drug and its epimer form / \*\* : sum of parent drug and its metabolite / \*\*\* : sum of all compounds of the family

CHANNEL ID	FAMILY NAMES OF THE COMPOUNDS	COMPOUNDS DETECTED	DETECTION CAPABILITY µg/kg - ppb	EU-MRL/MRPL µg/kg - ppb ( ) = CODEX
ERYTHRO	Macrolides	Erythromycin	15-30	40
		Roxithromycin	350-700	/
GENTA	Aminoglycosides	Gentamicin (C1, C1a, C2, C2a)	40-60	100 (200)
		Sisomicin	≤40	/
LINCO	Lincosamides	Lincomycin	50-80	150 (150)
		Clindamycin	20-40	/
NEO	Aminoglycosides	Neomycin	500-1000	1500 (1500)
		Apramycin	65-125	n.f.u.
QUINO	Quinolones	Danofloxacin	9-14	100**
		Enrofloxacin	9-14	
		Ciprofloxacin	10-16	
		Marbofloxacin	9-14	75
		Ofloxacin	≤20	/
		Difloxacin	10-16	/
		Enoxacin	≤20	/
		Lomefloxacin	≤30	/
		Flumequine	15-25	50
		Norfloxacin	12-20	/
		Pefloxacin	≤20	/
		Oxolonic acid	75-125	/
		Nalidixic acid	90-150	/
		Sarafloxacin	10-16	n.f.u.
		Fleroxacin	≤50	/
		Levofloxacin	≤20	/
SDX	Sulfonamides	Sulfadoxine	45-90	100***
SPIRA	Macrolides	Spiramycin	60-125	200** (200)
		Neospiramycin	50-100	
STREPTO	Aminoglycosides	Dihydrostreptomycin	125-200	200 (200)
		Streptomycin	125-200	200 (200)

CHANNEL ID	FAMILY NAMES OF THE COMPOUNDS	COMPOUNDS DETECTED	DETECTION CAPABILITY µg/kg - ppb	EU-MRL/MRPL µg/kg - ppb ( ) = CODEX
SULFA	Sulfonamides	Sulfadiazine	2-3	100***
		Sulfamerazine	1.0-1.5	
		Sulfadimethoxine	4-5	
		Sulfamethazine (SMTZ)	1.0-1.5	
		Sulfamethoxazole	70-100	
		Sulfaquinoxaline	3-4	
		Sulfamonomethoxine	1-2	
		Sulfamethoxypyridazine	1.0-1.5	
		Sulfazalazine	100-150	
		Sulfapyridine	1.0-1.5	
		Sulfachloropyridazine	6-8	
		Sulfaguanidine	5-7	
		Sulfathiazole	2-3	
		Sulfamethizole	100-150	
		Sulfameter	1-2	
Sulfamoxole	1.0-1.5			
TETRA	Tetracyclines	Tetracycline (TC)	55-70	100* (100)
		Chlortetracycline (CTC)	20-25	100* (100)
		Oxytetracycline (OTC)	30-40	100* (100)
		Doxycycline	8-10	n.f.u.
		Mynocycline	≤50	/
		Demeclocycline	≤50	/
		Sancycline	≤50	/
		Amicycline	≤50	/
		Meclocycline	≤50	/
		Methacycline	≤50	/
TYLO	Macrolides	Tylosin A	20-30	50 (100)
		Desmicosin (Tylosin B)	20-30	/

## Benefit from a fast and intuitive platform

In as little as 13 minutes, and without any sample preparation, EXTENSO gives you the information you need to decide whether your milk can be used for fermentation processes.

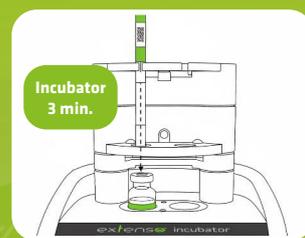
Try high-speed monitoring for rapid results! EXTENSO is the fastest test for this range of antibiotic families on the market and is also simple to use.



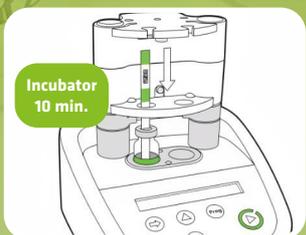
1. Using the provided dual-bulb pipette, add 250  $\mu$ l milk to the corresponding vial. Do not aspirate the reagent back into the pipette.



2. Gently shake the vial to homogenise the milk-reagent solution for 10 seconds.



3. Place the reagent vial into the EXTENSO INCUBATOR (Duo or Multi) for 3 minutes.



4. Dip one EXTENSO BIOSTICK into the reagent vial. Continue incubating for 10 minutes in the EXTENSO INCUBATOR.



5. Insert the EXTENSO BIOSTICK in the drawer of the EXTENSO DEVICE and read the results immediately.



6. Press the measurement button on top of the machine to go directly to the reading mode or tap the Read button from the Home page. Press the play button to start the reading.



## Manage your fleet of devices and the data collected

Stay ahead with full connectivity and smart data management to get increased value out of the information generated. Our platform offers the possibility to track past or present results in your database, with export, sharing, download, warning alert, notification options and much more.



# We are Unisensor

## Our Mission - Bringing smart diagnostic solutions from the laboratory to the field

Pioneering intelligent diagnostic solutions beyond the confines of the laboratory, we've consistently risen to the demands of the field. With our unmatched technologies, we don't simply strive for product enhancement - we aspire to revolutionise the contours of our industry.

## Our Vision : Peace Of Mind in Food

At the heart of food production lies the consumer's trust. By offering our groundbreaking products, we empower producers to assure exceptional food quality that aligns with and exceeds consumer expectations.





Liège Science Park • Rue Louis Plescia, 8 • 4102 Ougrée (Liège) • Belgium  
Phone +32 4 252 66 02 • [info@unisensor.be](mailto:info@unisensor.be) • [www.unisensor.be](http://www.unisensor.be)