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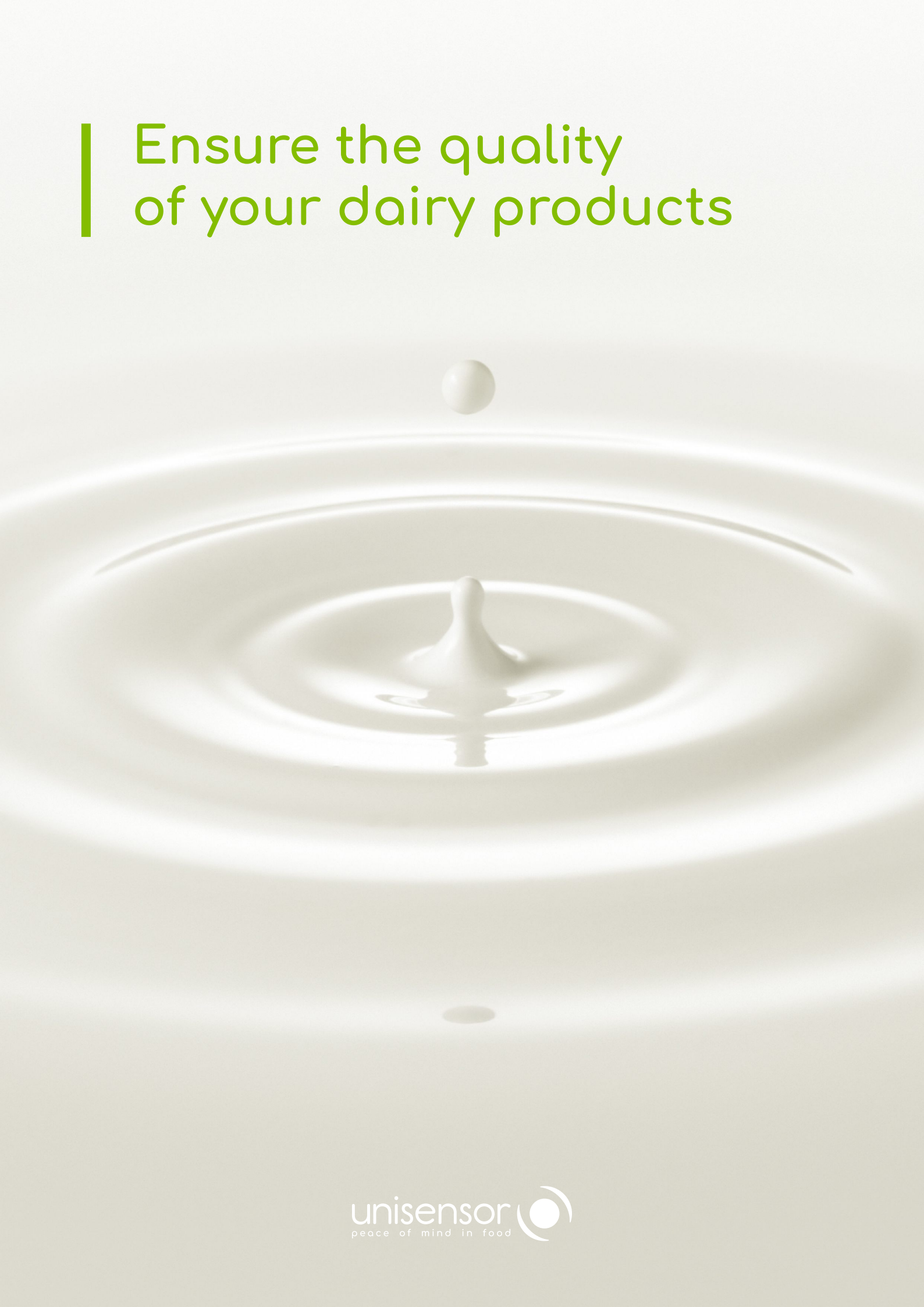
Detect key contaminants in milk

Improve fermentation process

extenso

by unisensor
peace of mind in food

Ensure the quality of your dairy products



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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!

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Get the big picture of your milk

Detect more than 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.

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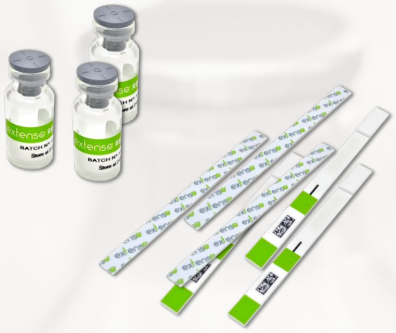

Complete traceability for every sample

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.

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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	0.5	0.05 (0.5)
		Aflatoxin B1	1 (TBD)	/
AZINE	Melamine	Melamine	30	1000-2500
		Ammeline	TBD	/
	Pyrimidine derivatives	Baquiloprim	TBD	30
		Trimethoprim	250-300	50
BETA	Beta-lactams - Penicillins	Amoxicillin	3-4	4 (4)
		Ampicillin	4	4
		Benzylpenicillin (Pen G)	2	4 (4)
		Phenoxymethylpenicillin (Pen V)	4	/
		Cloxacillin	12	30
		Nafcillin	350	30
		Dicloxacillin	8	30
		Oxacillin	16	30
		Penethamate	55	4
		Piperacillin	0.5-1	/
		Ticarcillin	10-15	/
		Aspoxicillin	1-2	/
		Sulbactam	100-1000	/
		Tazobactam	1000	/
	Beta-lactamase inhibitors	Clavulanic acid	Not detected	200
	Beta-lactams - Cephalosporins	Cefalonium	3	20
		Cefazolin	9	50
		Cefoperazone	3	50
		Cefquinome	14	20
		Ceftiofur	8	100** (100)
		Desfuroylceftiofur	60	
		Cephapirin	4	60**
		Desacetylcephapirin	16	
		Cefacetrile	9	125
		Ceftizoxime	200	/
		Cefuroxime	90	/
		Ceftriaxone	6	/
CAP	Phenicols	Chloramphenicol	0.15	n.f.u. (0.3)
		Chloramphenicol succinate	TBD	/
CEFA	Beta-lactams - Cephalosporins	Cefalexin	10	100
		Cefadroxil	5-10	/
COLI	Polymyxins	Colistin	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	30	40
		Gamithromycin	Not detected	n.f.u.
		Oleandomycin	Not detected	/
		Roxithromycin	700	/
GENTA	Aminoglycosides	Gentamicin (C1, C1a, C2, C2a)	60	100 (200)
		Kanamycin A	Not detected	150
		Spectinomycin	Not detected	200
		Sisomycin	20-40	/
LINCO	Lincosamides	Lincomycin	80	150 (150)
		Clindamycin	TBD	/
		Pirlimycin	Not detected	100 (100)
NEO	Aminoglycosides	Neomycin	1000	1500 (1500)
		Paromomycin	4000-20000	n.f.u.
		Apramycin	125	n.f.u.
QUINO	Quinolones	Danofloxacin	14	30
		Enrofloxacin	14	100**
		Ciprofloxacin	16	
		Marbofloxacin	14	75
		Ofloxacin	<20	/
		Difloxacin	16	/
		Enoxacin	<20	/
		Lomefloxacin	<30	/
		Flumequine	25	50
		Norfloxacin	20	/
		Pefloxacin	<20	/
		Orbifloxacin	>100	/
		Oxolonic acid	125	/
		Nalidixic acid	150	/
		Sarafloxacin	16	n.f.u.
		Cinoxacin	<1000	/
		Fleroxacin	<50	/
		Pipemidic acid	Not detected	/
		Piromidic acid	Not detected	/
		Levofloxacin	<20	/
SDX	Sulfonamides	Sulfadoxine	90	100***
SPIRA	Macrolides	Spiramycin	125	200** (200)
		Neospiramycin	125-175	
STREPTO	Aminoglycosides	Dihydrostreptomycin	175-200	200 (200)
		Streptomycin	200	200 (200)

Extenso LODs can be adapted to local regulations upon request | Russia: Decision of the Board of the Eurasian Economic Commission dated February 13, 2018 N 28 | China: Annex No. 235 of the Ministry of Agriculture and Rural Affairs of the People's Republic of China - Maximum Residue Limits of Veterinary Drugs in Animal Foods | USA: Tolerance And/Or Target Testing Levels Of Animal Drug Residues In Milk (M-I-18-9 February 12, 2018)

CHANNEL ID	FAMILY NAMES OF THE COMPOUNDS	COMPOUNDS DETECTED	DETECTION CAPABILITY µg/kg - ppb	EU-MRL/MRPL µg/kg - ppb ( ) = CODEX
SULFA	Sulfonamides	Sulfadiazine	3	100***
		Sulfamerazine	1	
		Sulfadimethoxine	5	
		Sulfamethazine (SMTZ)	1	
		Sulfamethoxazole	100	
		Sulfaquinoxaline	4	
		Sulfamonomethoxine	2	
		Sulfamethoxypyridazine	1	
		Sulfaethoxypyridazine	TBD	
		Sulfazalasine	115	
		Sulfapyridine	1	
		Sulfacetamide	Not detected	
		Sulfachloropyridazine	8	
		Sulfaguanidine	7	
		Sulfathiazole	3	
		Sulfisoxazole	TBD	
		Sulfatroxazole	Not detected	
		Sulfamethizole	150	
		Sulfameter	2	
		Sulfamoxole	1	
SULFA	Dapsone	Dapsone	Not detected	n.f.u.
TETRA	Tetracyclines	Tetracycline (TC)	70	100* (100)
		4-epimer of TC	Not detected	
		Chlortetracycline (CTC)	25	100* (100)
		4-epimer of CTC	1000	
		Oxytetracycline (OTC)	40	100* (100)
		4-epimer of OTC	1000	
		Doxycycline	10	n.f.u.
		Mynocycline	<50	/
		Demeclocycline	<50	/
		Sancycline	<50	/
		Amicycline	<50	/
		Meclocycline	<50	/
		Methacycline	<50	/
TYLO	Macrolides	Tylosin A	30	50 (100)
		Desmycosin (Tylosin B)	30	/
		Tilmicosin	Not detected	50
		Tulathromycin equivalents	Not detected	n.f.u.
		Tildipirosin	Not detected	n.f.u.

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 µl 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.

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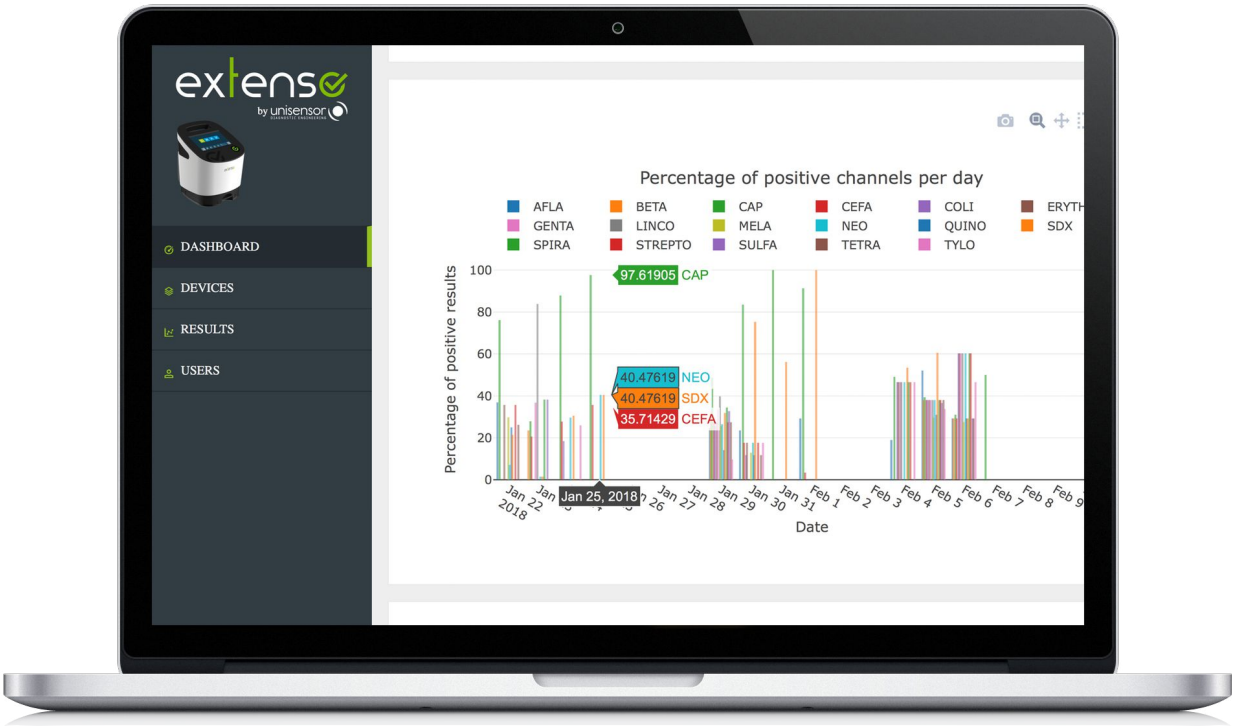
Manage your fleet of devices and the data collected

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.

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