

Revolutionary

Milk Analysis Platform

More than 100 contaminants

Detected simultaneously



EXTENSO is an all-in-one multiplex, fast, easy and automated solution to detect simultaneously the major groups of antibiotic residues and toxins in milk.

Our solution consists of a multiplex assay (a biostick + reagent vials) in association with a connected device linked to a Collaborative Smart Manager.

EXTENSO comes with a dedicated environment for the smart management of your devices and generated data, on-premise or in the cloud.

BENEFITS



MULTIPLE

Detect all main milk contaminants in one single test.



FLEXIBLE

Choose any combination of contaminants to test amongst 131071 possibilities.



RAPID

Only 13 minutes to get your results. EXTENSO helps you to take immediate action.



CONNECTED

Remote access, multiple data export options, full traceability and automated actions.

PAY AS YOU NEED



Define your own surveillance plan : check and pay only for the channels corresponding to the contaminants you wish to detect in the sample to be tested.

COLLABORATIVE SMART MANAGEMENT

powered by **a2i.io**



extenso device manager

Remote management of your users and devices.



extenso data manager

Store, track and manage your data in your centralized environment.

SENSITIVITY

CHANNEL ID	FAMILY NAME OF THE COMPOUNDS	COMPOUNDS DETECTED	TEST DETECTION (ng/mL ; ppb) [Not validated by ILVO]	EU-MRL/MRPL in ng/ml - ppb (codex) [US safe level]
AFLA	MYCOTOXINS	Aflatoxin-M1	0,4	0,05 [0,5]
		Aflatoxin-B1	[0,2-0,5]	/
BETA	BETALACTAMS - PENICILLINS	Amoxicillin	3	4 (4)
		Ampicillin	4	4
		Benzylpenicillin (Pen G)	2	4 (4)
		Phénoxyméthylpénicillin (Pen V)	4	/
		Cloxacillin	12	30
		Nafcillin	350	30
		Dicloxacilin	8	30
		Oxacilin	16	30
		Penethamate	[55]	4
		Piperacillin	[0,5-1]	/
		Ticarcillin	[10-15]	/
		Aspoxicillin	[1-2]	/
		Sulbactam	[100-1000]	/
		Tazobactam	[1000]	/
	BETALACTAMASE INHIBITORS	Clavunalic acid	>2000	200
	BETALACTAMS - 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	50
		Ceftriaxone	6	/
CAP	PHENICOLS	Chloramphenicol	0,6	n.f.u. (0,3)
		Chloramphenicol succinate	[0,6]	/
		Thiamphenicol	[5000]	50
		Florphenicol(amine)	[5000]	n.f.u.
CEFA	BETALACTAMS - CEPHALOSPORINS	Cefalexin	4	100
		Cefadroxil	4	/
COLI	POLYMYXINS	Colistin	30	50 (50)
ERYTHRO	MACROLIDES	Erythromycin	30	40
		Gamithromycin	>1000	n.f.u.
		Oleandomycin	>1000	/
		Roxithromycin	700	/
GENTA	AMINOGLYCOSIDES	Gentamicin (C1, C1a, C2, C2a)	60	100 (200)
		Kanamycin A	>20000	150
		Spectinomycin	>15000	200
		Sisomycin	175	/
LINCO	LINCOSAMIDES	Lincomycin	80	150 (150)
		Clindamycin	40	/
		Pirlimycin	>10000	100 (100)
MELA	MELAMINE	Melamine	30	1000-2500
		Ammeline	600	/
	PYRIMIDINE DERIVATIVES	Baquiloprim	250	30
		Trimethoprim	200	50
NEO	AMINOGLYCOSIDES	Neomycin B	1000	1500 (1500)
		Paramomycin	[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]	/

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 General Rules of the Export and Import of Goods of the People's Republic of China (2017) | **EU:** Commission Regulation (EC) No. 1831/2003 of October 22, 2003 | **USA:** 21 CFR 312.23 (a) (1) (i) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23) (24) (25) (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48) (49) (50) (51) (52) (53) (54) (55) (56) (57) (58) (59) (60) (61) (62) (63) (64) (65) (66) (67) (68) (69) (70) (71) (72) (73) (74) (75) (76) (77) (78) (79) (80) (81) (82) (83) (84) (85) (86) (87) (88) (89) (90) (91) (92) (93) (94) (95) (96) (97) (98) (99) (100) (101) (102) (103) (104) (105) (106) (107) (108) (109) (110) (111) (112) (113) (114) (115) (116) (117) (118) (119) 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CHANNEL ID	FAMILY NAME OF THE COMPOUNDS	COMPOUNDS DETECTED	TEST DETECTION (ng/mL ; ppb) [Not validated by ILVO]	EU-MRL/MRPL in ng/ml - ppb (codex) [US safe level]
		Difloxacin	16	/
		Enofloxacin	[<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	>10000	/
		Piromidic acid	>10000	/
		Levofloxacin	tbd	/
SDX	SULFONAMIDES	Sulfadoxine	70	100***
SPIRA	MACROLIDES	Spiramycin	80	200** (200)
		Neospiramycin	90	
STREPTO	AMINOGLYCOSIDES	Dihydrostreptomycin	150	200 (200)
		Streptomycin	175	200 (200)
SULFA	SULFONAMIDES	Sulfadiazine	3	100*** (25 for SMTZ)
		Sulfamerazin	1	
		Sulfadimethoxine	5	
		Sulfamethazine (SMTZ)	1	
		Sulfamethoxazol	100	
		Sulfaquinoxaline	4	
		Sulfamonomethoxin	2	
		Sulfamethoxyipyridazin	1	
		Sulfaethoxyipyridazin	tbd	
		Sulfazalasin	[115]	
		Sulfapyridin	1	
		Sulfacetamide	>10000	
		Sulfachloropyridazin	8	
		Sulfaguanidin	7	
		Sulfathiazol	3	
		Sulfisoxazol	tbd	
		sulphatroxozole	>2000	
		Sulfamethizole	150	
		Sulfameter	2	
		Sulfamoxol	1	
	DAPSONE	Dapsone	>500	n.f.u.
TETRA	TETRACYCLINES	Tetracycline (TC)	70	100* (100)
		4-epimer of TC	>1000	
		Chlortetracycline (CTC)	25	100* (100)
		4-epimer of CTC	1000	
		Oxytetracycline (OTC)	40	100* (100)
		4-epimer of OTC	1000	
		Doxycyclin	10	n.f.u.
		Mynocycline	[<50]	/
		Demeclocycline	[<50]	/
		Sancycline	[<50]	/
		Amicycline	[<50]	/
		Meclocycline	[<50]	/
		Methacycline	[<50]	/
TYLO	MACROLIDES	Tylosin A	30	50 (100)
		Desmycosin	30	50
		Tilmicosin	>5000	50
		Tulathromycin equivalents	>20000	n.f.u.
		Tildipirosine	>20000	n.f.u.

HOW TO USE

No sample preparation.
Just mix milk and
reagents, then incubate
and read.



1. Mix milk and reagents



2. Incubate for 13 minutes into the
Extenso Incubator DUO



3. Insert the BIOSTICK in the drawer
of the DEVICE



4. Tap to start the reading

RESULTS ON THE EXTENSO DEVICE



Automatic results interpretation by the
device. Multiple export formats (Excel,
PDF, Raw Data) via Email, USB, Bluetooth
or internal network.

ANALYSIS THROUGH YOUR DATA MANAGER



The EXTENSO Data Manager
allows you to store, track and
manage your data in your
centralized environment, in
the cloud or on premise.

PRODUCTS REFERENCES

KIT075
EXTENSO ASSAY - 24 PC



APP075
EXTENSO DEVICE



APP027
EXTENSO INCUBATOR DUO



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ALTERNATIVE ANALYTICAL METHODS FOR AGRIBUSINESS

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