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## Technical Bulletin

# DELVOTEST® T

### Sensitivity list

The table presented in this document is an indicative list of the sensitivity of the Delvotest® T at control time for the most used antibiotics in the world. This list is not exhaustive. The test is sensitive to many more antibiotic drugs and sulfonamides. The best sensitivity is reached when using control time (CT). To test at control time, additionally to the milk you would like to test, perform one additional test with negative control milk, when the test containing the negative control milk turns yellow read the test result of the other milk. The sensitivity of the test when using a fixed reading incubation time (3hr15) can be decreased.

Antibiotic class	Antibiotic	EU MRL ppb	USA S/TL ppb	CODEX ppb	India FSSAI ppb	CCB**	
						Ampoules ppb	Plates ppb
Penicillins	Amoxicillin	4	10	4	*	2	2
	Ampicillin	4	10	*	10	2	2
	Penicillin G	4	5	4	*	3	1
	Cloxacillin	30	10	*	10	10	10
	Oxacillin	30	*	*	*	3	3
	Nafcillin	30	*	*	*	3	3
Tetracyclines	Oxytetracycline	100	300	100	100	100	80
	Chlortetracycline	100	300	100	100	150	150
	Tetracycline	100	300	100	100	80	100
	Doxycycline	*	*	*	*	50	50
Sulfonamides	Sulfamethazine	100	10	25	25	125	125
	Sulfathiazole	100	10	*	10	30	30
	Sulfadimethoxine	100	10	*	*	40	40
	Sulfadiazine	100	10	*	10	55	50
	Sulfadoxine	100	*	*	*	80	80
Macrolides	Tilmicosin	50	*	*	*	60	100
	Tylosin A	50	50	100	*	35	35
	Erythromycin A	40	50	*	*	160	200
	Spiramycin	200	*	200	*	1500	2000



Antibiotic class	Antibiotic	EU MRL ppb	USA S/TL ppb	CODEX ppb	India FSSAI ppb	CCB**	
						Ampoules ppb**	Plates ppb**
Aminoglycosides	Neomycin B	1500	150	1500	1500	140	140
	Gentamycin	100	30	200	*	100	100
	Streptomycin	200	*	200	20***	700	1000
	DH Streptomycin	200	125	200	20***	700	800
Cephalosporins	Cephapirin	60	20	*	10	5	5
	Desacetylcephapirin	60	*	*	*	2	2
	Ceftiofur	100	100	100	100	20	20
	Desfuroylceftiofur	100	100	100	*	45	80
	Cefalonium	20	*	*	*	5	5
	Cefoperazone	50	*	*	*	20	20
	Cefalexin	100	*	*	*	30	30
	Cefquinome	20	*	*	10	50	60
	Cefazolin	50	*	*	*	3	3
	Others	Lincomycin	150	*	150	150	275
Chloramphenicol		*	*	0	*	4000	3500
Trimethoprim		50	*	*	10	110	120
Rifaximin		60	*	*	*	40	40
Pirlimycin		100	400	100	*	300	300
Dapsone		*	*	*	*	10	10
	Clavulanic Acid	200	*	*	*	700	800

\*not listed, legislation regulation normally restricts the use: not to be used for lactating animals.

\*\*CC $\beta$  detection capability is the lowest concentration where a substance can be detected with 95% probability.

\*\*\*for cattle 20ppb, for sheep milk 200ppb

Delvotest<sup>®</sup> T sensitivity listed as CC $\beta$  as determined (according to European legislation) by AFNOR validation study 2020-2021.

#### Legislation regulation references:

EU-MRL EC 37/2010

USA S/TL FDA M-I-18-9 2018

CODEX CX/MRL 2-2018

FSSAI Compendium\_Contaminants\_Regulation\_20\_08\_2020

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