

Technical Bulletin

Sensitivity list of Delvotest® T for Goat and Sheep milk

Delvotest® T

Last revision 2026 03 10

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. Values presented in this list are ppb (parts per billion) equalling µg/Kg or ng/gram.

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 required incubation time (CT) for sheep and goat milk takes approximately 10-30 minutes longer than cow milk.

Antibiotic class	Antibiotic	MRL for Caprine & Ovine milk				Caprine/ Goat milk		Ovine/ Sheep milk	
		EU MRL ppb	USA S/TL ppb	CODEX ppb	India FSSAI ppb	CCβ**		CCβ**	
						Ampoules ppb	Plates ppb	Ampoules ppb	Plates ppb
Penicillins	Amoxicillin	4	*	4 (s)	*	2	2	2	2
	Ampicillin	4	*	*	10	2	2	2	2
	Cloxacillin	30	*	*	10	8	14	10	18
	Nafcillin	30	*	*	*	3	4	3	5
	Oxacillin	30	*	*	*	2	4	2	5
	Penicillin G	4	5	*	*	1	1	1	1
	Penicillin V	4	5	*	*	1	1	1	1
Cephalosporins	Cefalexin	*	*	*	*	30	45	30	50
	Cefalonium	*	*	*	*	5	10	5	12
	Cefazolin	50	*	*	*	3	5	3	5
	Cefoperazone	*	*	*	*	14	25	14	25
	Cefquinome	*	*	*	10	35	45	60	70
	Ceftiofur	100	100 (g)	*	*	12	18	14	25
	Cephapirin	*	*	*	10	3	5	3	5
	Cephalexin	100	*	*	10	3	5	3	5
Tetracyclines	Chlortetracycline	100	300 (Sum or individual)	100 (s) (Sum or individual)	100 (s) (Sum or individual)	125	150	175	300
	Oxytetracycline	100				150	125	200	150
	Tetracycline	100				150	125	200	150

Antibiotic class	Antibiotic	MRL for Caprine & Ovine milk				Caprine/ Goat milk		Ovine/ Sheep milk	
		EU	USA	CODEX	India	CCB**		CCB**	
		MRL ppb	S/TL ppb	ppb	FSSAI ppb	Ampoules ppb	Plates ppb	Ampoules ppb	Plates ppb
Sulfonamides	Sulfadiazine	100	10	*	10	30	25	35	35
	Sulfadimethoxine	100	10	*	*	18	18	30	30
	Sulfadoxine	100	*	*	*	70	60	70	80
	Sulfamethazine	100	10	*	*	40	80	75	125
	Sulfathiazole	100	10	*	10	35	30	35	35
Aminoglycosides	DH-Streptomycin	200	125	200(s)	200(s)	700	800	1500	1500
	Gentamycin	*	30	*	*	125	125	150	225
	Neomycin	1500	150	*	*	150	225	300	600
Macrolides	Erythromycin-A	40	50	*	*	200	300	350	600
	Spiramycin	*	*	*	*	2500	3500	3500	5500
	Tylosin A	50	50	*	*	70	70	70	90
Others	Riflaximin	*	*	*	*	50	50	70	70

* not listed for sheep or goat milk

** CCB detection capability is the lowest concentration where a substance can be detected with 95% probability.

(s) listed only for ovine/sheep milk

(g) listed only for caprine/goat milk

Delvotest® T sensitivity for ovine/caprine milk listed as CCB as determined (according to European legislation) by internal validation study in 2022.

Legislation regulation references

EU-MRL EC 37/2010

USA S/TL FDA CFR-Title 21, Vol 6, 21CFR556.68

CODEX CX/MRL 2-2021

FSSAI Compendium_Contaminants_Regulation_20_08_2020

For questions write us at support@delvotest.com and/or check our website www.delvotest.com

Although diligent care has been used to ensure that the information provided herein is accurate, nothing contained herein can be construed to imply any representation or warranty for which we assume legal responsibility, including without limitation any warranties as to the accuracy, currency or completeness of this information or of non-infringement of third-party intellectual property rights. The content of this document is subject to change without further notice. This document is non-controlled and will not be automatically replaced when changed. Please contact us for the latest version of this document or for further information. Since the user's product formulations, specific use applications and conditions of use are beyond our control, we make no warranty or representation regarding the results which may be obtained by the user. It shall be the responsibility of the user to determine the suitability of our products for the user's specific purposes and the legal status for the user's intended use of our products.

© DSM Food Specialties B.V. PO box 1, 2600 MA Delft, The Netherlands.

DSM Food Specialties B.V. is part of the Business Unit Taste Texture & Health within the dsm-firmenich group of companies.