



Technical Bulletin

DELVOTEST® Fast BT

Sensitivity of Delvotest® Fast BT

Delvotest® Fast BT is test for qualitative detection of antibiotic residues in raw milk, namely β -lactams and tetracyclines. Delvotest® Fast BT is based on immunochromatographic technology to qualitatively detect antibiotic residues in milk. The list below is not exhaustive and valid for Delvotest® Fast BT, the sensitivity of the test is given only for the most commonly used antibiotics. The level of detection is indicative, based on 100% positive on 10 out of 10 samples tested.

Raw Cow Milk:

Antibiotic class	Antibiotic	S/TL (US)**	MRL (EU)***	**** Codex Alimentarius	Level of detection Cow Milk
		PPB (Parts Per Billion) ($\mu\text{g}/\text{Kg}$)			
Penicillins	Penicillin G	5	4	4	2-3
	Ampicillin	10	4	-	3
	Amoxicillin	10	4	4	3
	Oxacillin	-	30	-	10
	Dicloxacillin	-	30	-	10
	Nafcillin	-	30	-	15
Cephalosporins	Ceftiofur*	100	100	100	4
	Cefquinome	-	20	-	10
	Cefazolin	-	50	-	25
	Cephapirin*	20	60	-	10
	Cefacetile	-	125	-	50
	Cefoperazone	-	50	-	10
	Cefalexin	-	100	-	1000
	Cefalonium	-	20	-	4
Tetracyclines	Tetracycline*	300	100	100	60-80
	Oxytetracycline*	300	100	100	80
	Chlortetracycline*	300	100	100	>200
	Doxycycline	-	-	-	>1000

*Sum of parent and metabolite drug, **FDA-CFSAN M-I-18-9, ***EU-REG 37/2010, ****CODEX CX MRL 2-2018



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