



**Detection sensitivities of AiM BRT test systems  
towards selected anti-infectives in cow milk, µg/kg (ng/ml; ppb)**

Substance	BRT Inhibitor Test		BRT MRL-Screening Test		BRT hi-sense		MRL (470/2009 EEG resp. 37/2010 EEG)
	CCβ A	CCβ B	CCβ A	CCβ B	CCβ A	CCβ B	
<b>Penicillins</b>							
Benzylpenicillin	2.5	2	2	1.5	1	0.6	4
Oxacillin	10	8	8	8	4	3	30
Cloxacillin	25	20	25	18	10	9	30
Amoxicillin	3	2.5	3	2.5	1.5	1.3	4
Ampicillin	3.5	3	2.5	2	1.5	1.3	4
Dicloxacillin	15	12.5	12.5	10	6	5	30
Nafcillin	15	10	10	8	4	4	30
<b>Cephalosporins</b>							
Cefalexin	400	300	300	250	125	100	100
Cefalonium	14	12	12	10	6	5	20
Cefapirin	6	5	5	5	3	2.5	60
Cefazolin	9	7	7	6	4	3	50
Cefoperazone	35	25	30	20	20	15	50
Ceftiofur	200	150	150	100	10	10	100
Cefquinome	500	300	300	200	20	20	20
<b>Aminoglycosides</b>							
Streptomycin	1,500	600	1,000	500	500	250	200
DH-Streptomycin	600	400	600	400	300	150	200
Gentamicin	200	100	150	80	40	10	100
Neomycin	400	200	300	200	150	60	1,500
<b>Macrolides</b>							
Erythromycin	100	50	80	50	80	40	40
Tylosin	75	40	75	30	40	20	50
<b>Sulfonamides</b>							
Sulfadimidine	1,000	300	> 1,000	200	400	100	100
Sulfadoxine	> 1,500	400	1,500	300	400	150	100
Sulfamethoxypyridazine	500	100	500	100	100	40	100
Sulfadiazine	> 800	100	400	100	200	60	100
Sulfadimethoxine	> 800	200	600	100	200	50	100
Sulfathiazole	400	60	200	60	60	40	100
<b>Tetracyclines</b>							
Tetracycline	1,000	600	600	300	150	75	100
Chlortetracycline	> 1,000	800	800	400	300	150	100
Oxytetracycline	800	400	400	200	100	75	100
<b>Others</b>							
Lincomycin	200	150	200	100	125	75	150
Chloramphenicol	7,000	4,000	5,000	3,500	4,000	2,000	illegal

NKML – NordVal International Certificates no. 051, 052, 053 issued for BRT, valid until 01 March 2023

Data BRT Validation 2018: Reading with ELISA Reader: Measuring wavelength 450 nm, reference wavelength 620 nm

CCβ: Lowest concentration obtaining a minimum of 95% positive results

CCβ A: Evaluation with regard to the colour of the positive control

CCβ B: Evaluation with regard to the colour of the negative control

Validation reports of the BRT tests will be gladly provided on enquiry, these comprise i. a. dose-response curves correlated with the detection sensitivities.

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