Thermo SCIENTIFIC

SENSITITRE® QUALITY CONTROL RESULTS

FORMAT: **EUST2** BATCH NO: **B5422D**

DATE MANUFACTURED:2025-10-14 EXPIRY DATE: 2027-10-14

SIGNED: K. Moore
(QC Shift Lead)

CERTIFICATE ISSUE DATE: 2025-10-28

RESULTS SUMMARY

1. Contamination	Pass
2. Positive growth control	Pass
3. Negative growth control	N/A
4. Packaging	Pass
5. Performance.	Pass

Inoculum broth. Mueller hinton broth supplemented to divalent cation level of 12.5mg Mg^{++} / L and 25mg Ca^{++}/ L.
Inoculum – $1x10^5$ cfu / ml.

* Acceptable Quality Control Ranges of Minimum Inhibitory Concentrations (MICs µg/ml) for Reference Strains – CLSI M7 (M100).

** Sensititre® Development Range.

Acceptable Quality Control Ranges of Minimum Inhibitory Concentrations (MICs µg/ml) for Reference Strains – Veterinary Pathogens CLSI VET08.

ANTIMICROBIC	***S. aureus***		***E. faecalis***	
	ATCC 29213		**ATCC 29212**	
	Range*	**Result**	**Range***	**Result**
	MIC (µg / ml)		**MIC (µg / ml)**	
KANAMYCIN	1 – 4	≤ 4	16 – 64	32
RIFAMPIN	0.004 – 0.015	≤ 0.015	0.5 – 4	≥ 0.5
ERYTHROMYCIN	0.25 – 1	≤ 0.25	1 – 4	2
CIPROFLOXACIN	0.12 – 0.5	≤ 0.25 – 0.5	0.25 – 2	0.5
TETRACYCLINE	0.12 – 1	≤ 0.5	8 – 32	16
TIAMULIN	0.5 – 2 #	≤ 0.5		
QUINUPRISTIN/ DALFOPRISTIN	0.25 – 1	≤ 0.5	2 – 8	> 4
LINEZOLID	1 – 4	2	1 – 4	≤ 1 – 2
MUPIROCIN	0.06 – 0.5 **	≤ 0.5	16 – 128 **	> 2
MUPIROCIN 256µg/ml	0.06 – 0.5 **	≤ 256	16 – 128 **	≤ 256
VANCOMYCIN	0.5 – 2	≤ 1	1 – 4	≤ 1 – 2
CLINDAMYCIN	0.06 – 0.25	≤ 0.12	4 – 16	> 4
CEFOXITIN	1 – 4	4		
GENTAMICIN	0.12 – 1	≤ 0.5	4 – 16	8
CHLORAMPHENICOL	2 – 16	8	4 – 16	≤ 4
FUSIDATE	0.06 – 0.5 **	≤ 0.25	1 – 4 **	2
PENICILLIN	0.12 – 1 **	0.25 – 0.5	1 – 4	> 1
TRIMETHOPRIM	1 – 4	≤ 1	0.12 – 0.5	≤ 1

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ANTIMICROBIC	*E. coli* ATCC 25922		*P. aeruginosa* ATCC 27853	
	Range *	Result	Range *	Result
	MIC (µg / ml)		MIC (µg / ml)	
KANAMYCIN	1 – 4	≤ 4		
RIFAMPIN	4 – 16	> 0.5	16 – 64	> 0.5
CIPROFLOXACIN	0.004 – 0.015	≤ 0.25	0.12 – 1	≤ 0.25
TETRACYCLINE	0.5 – 2	1	8 – 32	8
STREPTOMYCIN	4 – 16 **	≤ 4 – 8		
CEFOXITIN	2 – 8	2		
GENTAMICIN	0.25 – 1	≤ 0.5	0.5 – 2	≤ 0.5 – 1
CHLORAMPHENICOL	2 – 8	≤ 4		
TRIMETHOPRIM	0.5 – 2	≤ 1	> 64	> 16

5. Performance. (Continued)

On scale MIC obtained by varying inoculum volume and performing off-line dilutions.

ANTIMICROBIC	STRAIN	ATCC NO:	ACCEPTABLE QC RANGE * (µg/ml)	MIC (µg/ml)
KANAMYCIN	*E. faecalis*	29212	16 – 64	16 – 32
STREPTOMYCIN	*E. coli*	25922	4 – 16 **	4
TIAMULIN	*S. aureus*	29213	0.5 – 2 #	0.5 – 1
QUINUPRISTIN/ DALFOPRISTIN	*S. aureus*	29213	0.25 – 1	0.25 – 0.5
LINEZOLID	*E. faecalis*	29212	1 – 4	1 – 2
MUPIROCIN	*S. aureus*	29213	0.06 – 0.5 **	0.12
MUPIROCIN 256µg/ml	*E. faecalis*	29212	16 – 128 **	> 16 – ≤ 64
VANCOMYCIN	*E. faecalis*	29212	1 – 4	2
CHLORAMPHENICOL	*E. faecalis*	29212	4 – 16	4
TRIMETHOPRIM	*S. aureus*	29213	1 – 4	1 – 2
CLINDAMYCIN	*S. aureus*	29213	0.06 – 0.25	0.06 – 0.12
RIFAMPIN	*S. aureus*	29213	0.004 – 0.015	0.008
CIPROFLOXACIN	*E. faecalis*	29212	0.25 – 2	0.5
TETRACYCLINE	*E. coli*	25922	0.5 – 2	1
SULPHAMETHOXAZOLE	*P. aeruginosa*	25619	8 – 32 **	16