

Figure 1. Test interpretation guidelines for the API 20 Strep system

All Negative Tests



All Positive Tests



Each individual test is marked as positive and negative, creating a test profile for each isolate.

Source: bioMérieux, www.biomerieux.com

Figure 2. MIC cut-offs for *Streptococci*

Drug	Sensitive	Intermediate	Resistant
Ampicillin	≤ 0.25	0.5 - 4	≥ 8
Penicillin	≤ 0.12	0.25 - 2	≥ 4
Erythromycin	≤ 0.25	0.5	≥ 1
Pirlimycin	≤ 2	0	≥ 4
Penicillin/Novobiocin	$\leq 1/2$	2/4	$\geq 4/8$
Tetracycline	≤ 2	4	≥ 8
Cephalothin	≤ 8	16	≥ 32
Oxacillin*	N/A	N/A	N/A
Ceftiofur*	N/A	N/A	N/A
Sulphadimethoxine*	N/A	N/A	N/A

Clinical Laboratory Standards Institute (CLSI): 2004, *Performance standards for antimicrobial disk and dilution susceptibility tests for bacteria isolated from animals; approved standard M31-S1*, vol. 17, no. 17. CLSI, Wayne, PA.