



# MIC Test Strip Technical Sheet **Arcanobacterium**

## Specimen

Respiratory and non-respiratory specimens

<b>Medium</b>	Mueller Hinton II Agar (5% Sheep Blood), ref. 10131 and 12032
<b>Inoculum</b>	Suspension in Mueller Hinton Broth (ref. 24107) to 1 McFarland (ref. 80401)
<b>Incubation</b>	35 ± 2°C / 5% CO <sub>2</sub> (if needed) / 20-24 hours (48 hours if necessary)
<b>Evaluating the results</b>	No breakpoints are available. Use publications for suggestions of possible interpretive criteria.
<b>Reading precautions</b>	Bactericidal drugs: interpret at complete inhibition of growth (microcolonies, hazes and isolated colonies). Bacteriostatic drugs: interpret at 80% inhibition when trailing is seen.

		<b>Quality Control</b> (M.I.C. µg/mL) <i>S. pneumoniae</i> ATCC® 49619	<b>Example of ANTIBIOGRAM</b> 140 mm petri dish
<b>P</b>	PENICILLIN G	0.25-1	✓
<b>CTX</b>	CEFOTAXIME	0.03-0.12	
<b>KF</b>	CEPHALOTIN	0.5-2	
<b>CD</b>	CLINDAMYCIN (-CO <sub>2</sub> )	0.03-0.12	✓
<b>CD</b>	CLINDAMYCIN (+CO <sub>2</sub> )	0.06-0.25	
<b>E</b>	ERYTHROMYCIN (-CO <sub>2</sub> )	0.03-0.12	✓
<b>E</b>	ERYTHROMYCIN (+CO <sub>2</sub> )	0.06-0.25	
<b>IMI</b>	IMIPENEM	0.03-0.12	
<b>OFX</b>	OFLOXACIN	1-4	
<b>TE</b>	TETRACYCLINE	0.06-0.5	✓
<b>VA</b>	VANCOMYIN	0.12-0.5	

## References

- CLSI M100-S26, 2016. Performance Standards for Antimicrobial Susceptibility Testing.
- Almuzara et al. (2002) *Arcanobacterium hemolyticum*: identification and susceptibility to nine antimicrobial agents. Clin Microbiol Infect. 8:828-9.
- Carlson et al. (1999) Antimicrobial susceptibilities and biotypes of *A. hameolyticum*. EJCMD. 18(12): 915-917.
- Carlson et al. (1994) *Arcanobacterium haemolyticum* and Streptococcal pharyngitis. SJIID. 26: 283-287.

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