

Antimicrobial Susceptibility Test Results for Gram-positive isolates recovered from clinical specimens: 2017

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≥ 90% susceptible;
 70-89% susceptible;
 < 70% susceptible;
 Number = proportion susceptible; R = Resistant

Classification Number: LPMICCOMIN009 Date of issue: April 2018	Penicillin	Amoxicillin	Flucloxacillin	Erythromycin	Cotrimoxazole	Tetracycline	Doxycycline	Clindamycin	Ciprofloxacin	Rifampicin	Gentamicin	Amikacin	Vancomycin	Fusidic acid	Mupirocin	Ceftriaxone	Moxifloxacin	Nitrofurantoin	Norfloxacin
Organism (number tested)																			
Methicillin-susceptible <i>Staphylococcus aureus</i> (3900)	14	-	100	90	98	-	97	90	96	99	98	100 (57)	100	82	93	-	-	-	-
Methicillin-resistant <i>Staphylococcus aureus</i> (621)	R ^a	-	R	77	99	-	98	84	90	100	95	-	100	57	96	-	-	-	-
<i>Staphylococcus epidermidis</i> (519)	-	-	26	44	56	-	93	62	67	85	51	85 (13)	100	43	-	-	-	-	-
<i>Staphylococcus lugdunensis</i> (51)	55	-	94	92	100	-	98	92	100	100	94	-	100	96	-	-	-	-	-
Other coagulase negative <i>Staphylococci</i> (274) ^b	-	-	47	60	83	-	92	72	73	98	59	83 (12)	100	69	-	-	-	-	-
<i>Streptococcus pyogenes</i> (940)	100	-	-	93	-	77	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Streptococcus agalactiae</i> (198)	100	-	-	79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Streptococcus pneumoniae</i> (48) ^c - non-meningitis criteria	See note ^d	-	-	87	81	85	-	-	-	-	-	-	100	-	-	89	100 (21)	-	-
<i>Streptococcus pneumoniae</i> (48) ^c - meningitis criteria	65	-	-	-	-	-	-	-	-	-	-	-	100	-	-	89	100 (21)	-	-
<i>Enterococcus faecalis</i> (824) ^e	-	100	-	-	-	-	-	-	-	-	-	-	100	-	-	-	-	100 ^f	95 ^f
<i>Enterococcus faecium</i> (104) ^e	-	14	-	-	-	-	-	-	-	-	-	-	93	-	-	-	-	52 ^f	8 ^f

^a MRSA are also resistant to amoxicillin/clavulanate, cephalosporins and carbapenems.

^b Routine testing of urine isolates of *Staphylococcus saprophyticus* is not recommended; Infections respond to concentrations achieved in the urine of antimicrobial agents commonly used to treat acute uncomplicated urinary tract infections (eg nitrofurantoin, trimethoprim/sulfamethoxazole).

^c *Streptococcus pneumoniae* isolates are from blood cultures and CSF only. When meningitis is suspected, a penicillin MIC of ≤ 0.06 mg/L is considered susceptible. For non-meningitis isolates, a penicillin MIC of ≤ 0.06 mg/L can predict susceptibility to penicillin (oral or parenteral), and other β-lactam agents including amoxicillin, cefaclor, cefuroxime, ceftriaxone, and meropenem.

^d For non-meningitis *S. pneumoniae* isolates susceptibility is dose dependent; 79% susceptible at 1.2 g Q6H; 94% susceptible at 2.4 g Q6H or 1.2g Q4H; 98% susceptible at 2.4 g Q4H.

^e *Enterococcus* species: cephalosporins, clindamycin, gentamicin and cotrimoxazole are not effective clinically.

^f Nitrofurantoin and Norfloxacin only apply to lower urinary tract *Enterococcus* isolates.