

**As per CLSI (Clinical Laboratory Standards Institute) Guidelines (Formerly NCCLS)
(Based on results obtained using Mueller Hinton Agar)**

Diameter of zone of inhibition in mm

[illegible]

Organism	<i>Enterobacter</i> <i>P. aeruginosa</i> , <i>Staphylococcus</i> spp., <i>Enterococcus</i> spp., <i>Salmonella</i> spp. and <i>Shigella</i> spp.	<i>Acinetobacter</i> spp., <i>Stenotrophomonas maltophilia</i>	<i>Haemophilus influenzae</i> / <i>Haemophilus parainfluenzae</i>	<i>Neisseria gonorrhoeae</i>	<i>Streptococcus</i> and <i>Neisseria meningitidis</i>
Medium	MHA (Mueller Hinton Agar)	MHA (Mueller Hinton Agar)	HTM (Haemophilus Test Medium) [For all agents when testing <i>H. influenzae</i> or <i>H. parainfluenzae</i>] or MHA-agar (MHA with 5% mechanically defibrinated horse blood and 20 µg/ml NAD) [For selected agents when testing <i>H. influenzae</i>]	GC Agar Base and 1% defned growth promotor. The use of a cysteine free growth supplement is not required for disk diffusion testing	MHA supplemented with 5% defibrinated sheep blood or MHA-agar (MHA with mechanically defibrinated horse blood and 20 µg/ml NAD). MHA-agar for <i>S. pneumoniae</i> only.
Inoculum	Direct Colony Suspension equivalent to 5 McFarland Standard				
Incubation Characteristics	16–18 hours, 35°C ± 2°C; 24 hours for Cefoxitin when testing <i>Staphylococcus</i> spp. except <i>S. aureus</i> , <i>S. lugdunensis</i> , <i>S. pseudintermedius</i> , <i>S. copulans</i> and <i>S. schweiferi</i> . Testing at temperatures above 35°C may not detect <i>Enterococcus</i> spp.	20–24 hours, 35°C ± 2°C	5% CO ₂ , 16–18 hours, 35°C ± 2°C	5% CO ₂ , 20–24 hours, 36°C ± 1°C (Do not exceed 37°C)	5% CO ₂ , 20–24 hours, 35°C ± 2°C

Also Available!




 Division of
TULIP DIAGNOSTICS (P) LTD.

Plot No. S-124, S-125, S-126, Utility Plot No. VIII, Phase III-B, Verna Industrial Estate, Verna, Goa - 403 722, INDIA.
Regd. Office : Gitanjali, Tulip Block, Dr. Antonio Do Rego Bagh, Alto Santacruz, Bambolim Complex P.O., Goa - 403 202, INDIA

Email: mex.queries@tulipgroup.com; **Website:** www.microxpress.in

Abbreviations:
 R: Resistant; I: Intermediate; S: Susceptible; SDD: Susceptible-Dose Dependent.
 #: *Staphylococcus epidermidis*, *S. pseudintermedius*, *S. schleiferi*, *S. coagulans* only;
 *: *Staphylococcus* spp. except *S. aureus*, *S. lugdunensis*, *S. pseudintermedius*, *S. schleiferi*.
 #: *S. aureus* and *S. lugdunensis*. (Surrogate test for Oxacillin)
 All the values are in mm.

Bibliography

1. Bauer, Kirby, Sherris and Turck, 1966, Am.J.Clin.Path., 45:493.
2. Performance Standards for Antimicrobial Disk susceptibility Tests, M-100, CLSI 35th Edition, January 2025.

