Gardnerella vaginalis (LTR64580)

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Organism

Gardnerella vaginalis

Clinical

G. vaginalis is part of the normal vaginal flora of women of reproductive age. Urethral colonization in male partners is very common. It may be found in the rectums of adults and children. This organism is associated with the condition of bacterial vaginosis. Bacterial vaginosis in pregnancy may result in pre-term labour, premature rupture of membranes, chorioamnionitis, post-partum bacteremia, and neonatal infections. *G. vaginalis* has also been associated with urinary tract infections in both males and females, and rarely bacteremia.

Usual susceptibility pattern

This organism is usually susceptible to penicillin, ampicillin, erythromycin, clindamycin, carbapenems and tetracyclines. Although susceptible to trimethoprim, this organism is uniformly resistant to sulfa antibiotics and therefore the combination of TMP-SMX should not be used. Metronidazole is the drug of choice for bacterial vaginosis (BV) and for extravaginal infections caused by BV-associated flora. Systemic infections with *G. vaginalis* are usually treated with ampicillin/amoxicillin. β-lactamase producing strains have not yet been observed.

Susceptibility method

Etest method using Mueller-Hinton agar with 5% sheep blood incubated in 5% CO_2 at 35°C for 20-24 hours. Incubation should be prolonged for 48 hours for slow growing organisms.

Note: For Etest use 1.0 McFarland suspension in broth.

Susceptibility reporting

	Blood	Sterile Body Site	Comments
Clindamycin		✓	
Penicillin	✓	✓	
Meropenem	✓		

Note:

Urine Isolates: For sterile urine isolates, add comment:
"This organism is generally susceptible to amoxicillin" &amx2

Gardnerella vaginalis, Continued

Interpretation

For Etest, report actual MIC result. For interpretation (S, I, or R) report according to the nearest higher doubling dilution **(Appendix 1)**.

Use **CLSI** interpretive document for **Corynebacterium spp. (Including Corynebacterium diphtheria) and Related Coryneform Genera.**

Add comment:
"Susceptibility testing for this organism was performed by a non-reference method and/or required modifications to the standard test conditions. Results are probable but not definite." &2130 &2338