**Supplementary 1:** Breakpoints for Antimicrobial Susceptibility Testing.

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| --- | --- | --- |
| Antimicrobial agent | Disc content  | MIC Interpretive Standardµg/ml |
|  |  | **R** | **I** | **S** |
| Cefixime*\** | 5ug | ≥0.25 | - |  - |
| Ceftriaxone*\** | 30ug | ≥0.125 | - |  - |
| Ciprofloxacin | 5ug | ≥1.0 | 0.125-0.5 | ≤0.06 |
| Tetracycline | 30ug | ≥2.0 | 0.5-1.0 | ≤0.25 |
| Spectinomycin | 100ug | ≥128 | 64.0 | ≤32.0 |
| Penicillin | 10units | ≥2.0 | 0.125-1.0 | ≤0.06 |
| Azithromycin*\** | 15ug | ≥2.0 |  |  |

CLSI 2018 breakpoints were used for penicillin, tetracycline, spectinomycin and ciprofloxacin. GISP breakpoints (alert values) were used for azithromycin, cefixime, and ceftriaxone for which CLSI resistance breakpoints are not established.

**\*** No resistance breakpoint available (R represents reduced-susceptibility)

S-susceptible, I-Intermediate, R-resistant/reduced-susceptibility.

CLSI- Clinical and Laboratory Standards Institute.

GISP- Gonococcal Isolate Surveillance Project.