

Journal Article Summary

Prospective Evaluation of ResistancePlus MG, a New Multiplex Quantitative PCR Assay for Detection of Mycoplasma genitalium and Macrolide Resistance

Sepehr Tabrizi et al, J Clin Micro 2017

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Key Points

- ⌘ First clinical performance prospective evaluation using 1,089 consecutive urine and anogenital swab samples in symptomatic and asymptomatic male and female patients.
- ⌘ *M. genitalium* positivity rate of 6.0%, with 63.1% having macrolide resistance-associated mutations.
- ⌘ Of the 34 anal swabs from men, 7 (20.6%) were MG positive, all of which (100%) had macrolide resistant mutations.
- ⌘ Sensitivity and specificity of *M. genitalium* detection were 98.5% and 100% and for detection of macrolide resistance mutations were 100.0% and 96.2%, respectively, compared to the laboratory-validated qPCR method targeting the 16S rRNA gene and Sanger sequencing to determine 23S rRNA mutations.
- ⌘ Stressed advantage of ResistancePlus MG test in clinical settings which is increasingly important with escalating macrolide resistance.