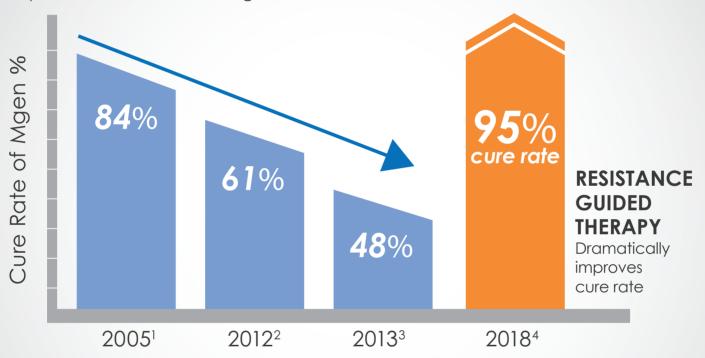
Resistance Plus® MG

M. genitalium (Mgen) + macrolide resistance

Enabling Resistance Guided Therapy

Empirical Treatment

Rapid fall in cure rates of Mgen due to resistance



Resistance Guided Therapy Increases Cure Rate⁴

- ResistancePlus® MG is an IVDR Certified product.
- ▶ Resistance Guided Therapy is clinically demonstrated to improve patient cure rate and overall patient management.⁴
- ▶ Detection of macrolide resistance can reduce time to cure, preventing ongoing transmission.⁴
- Macrolide resistance testing is recommended by International, British, French, US, and Australian guidelines on Mgen infection.⁵⁻¹⁰



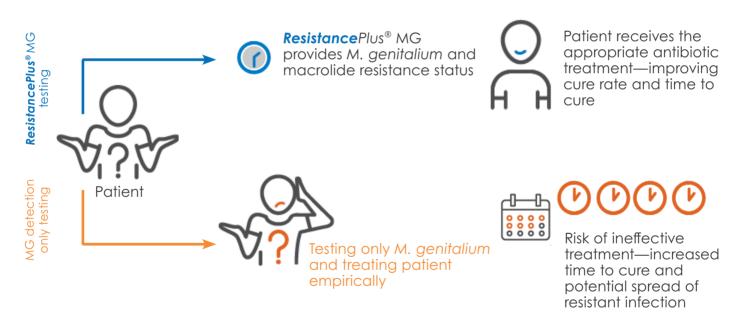


Resistance & Mycoplasma genitalium

- Mycoplasma genitalium (Mgen) is a sexually transmitted infection causing nongonococcal urethritis (NGU) and cervicitis, and is associated with pelvic inflammatory disease (PID)⁴
- ▶ Prevalence of Mgen infections in the general population ranges from 1-3%, with an increased incidence in men with NGU (15-25%)^{8,11}
- Mgen is more prevalent than gonorrhoea and presents clinically similar symptoms to chlamydia
 leading to potential mistreatment and increased resistance^{12,13}
- Increasing rates of antibiotic resistance coupled with lower prevalence in general population mean current guidelines do not recommend screening for Mgen in asymptomatic populations^{5,7,8,9}

Resistance & Mycoplasma genitalium

ResistancePlus® MG provides therapeutic guidance recommendations, enabling clinicians to make informed treatment decisions. Resistance guided therapy is clinically demonstrated to increase overall patient cure rate.⁴



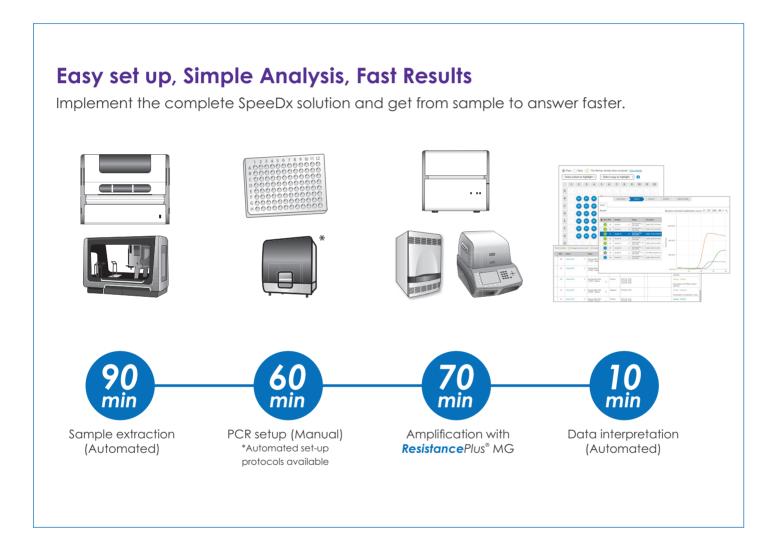
"Although the subclinical nature of Mgen in the rectum questions its significance, the high prevalence seen at this site could be a potential source of onward urethral transmission. Future work should assess the need for appropriate screening and treatment of MG infection in MSM, particularly those with HIV infection and high-risk sexual behaviour." ¹⁴



Resistance Plus® MG

A flexible and cost effective solution for your laboratory

- ➤ A single well test, combining Mgen detection and macrolide resistance a clear advantage compared with detection-only tests
- Easily implemented into your existing workflow, reduce time to resistance data
- ▶ Pack sizes to suit your laboratory throughput, minimising reagent wastage



SpeeDx Analysis ResistancePlus® MG

The complete solution includes validated software for automated result calling and simple sample processing. Supporting rapid, routine diagnostics with quality control, searchable databases, audit-trail, and user traceability. High security and GDPR compliant with LIS compatibility.



ResistancePlus® MG is a multiplex qPCR test for detection of Mgen and four azithromycin resistance markers, validated for male and female urine and vaginal swabs. ¹⁵ Powered by proprietary **Plex**PCR® technologies demonstrating improved multiplex performance compared with other probe-based tests. ¹⁶

Single-well **Plex**PCR® Test

Channel	Target	
1	M. genitalium (MgPa)	
2	23S rRNA (A2058T, A2058C, A2058G, A2059G)	
3	Internal Control	

Demonstrated clinical performance¹⁵

	MG Detection	Resistance Markers
Sensitivity	98.8%	96.3%
Specificity	100%	91.3%

Validated with male and female urine and vaginal swabs. 15

Validated sample types: validated with male and female urine and vaginal swabs, from symptomatic and asymptomatic patients.¹⁵

Validated collection devices: neat urine, dry swab, multiCollect Specimen Collection Kit (Abbott), Aptima® Urine Specimen Collection Kit (Hologic), Aptima® Multitest swab specimen collection kit (Hologic), DeltaSwab ViCUM® 2 mL + Standard flocked swab (Deltalab), Vacumed® Urine without preservative (FL medical), Regular FLOQSwab™ in 1 mL of UTM™ (Copan), cobas® PCR media (Roche).¹⁵

Resistance Plus® MG Positive Control

One control covers all your needs – Maen detection and 4 mutations conferring macrolide resistance.

Product	Compatible	Size	Cat#
Resistance Plus® MG*	LC480 II	100 reactions	20001L-01
Resistance Plus® MG* (675)	CFX96 Dx / Touch	100 reactions	2000301
ResistancePlus® MG* (550)	ABI 7500 Fast Dx	100 reactions	2000201
ResistancePlus® MG Positive Control	All platforms	10 reactions	95001

*Not for sale in USA.

References: 1. Bradshaw CS et al. PLOS ONE 2008;3(11):e3618. 2. Bissessor M et al. Clin Infect Dis. 2015;60(8):1228-36. 3. Read TRH et al. Clin Infect Dis. 2017;64(3):250-256. 4. Read TRH et al. Clin Infect Dis. 2017;64(3):250-256. 4. Read TRH et al. Clin 2019; 68(4):554-560 5. Jensen J et al. 2021 European guideline on the management of Mycoplasma genitalium infections. J Eur Acad Dermatol Venereol. 2022 May;36(5):641-650. 6. Homer PJ et al. 2016 European guideline on the management of non-gonococcal urethritis. 7. Australian STI Management Guidelines – Mycoplasma genitalium 2018. 8. Soni S et. al. British Association for Sexual Health and HIV national guideline for the management of infection with Mycoplasma genitalium (2018) 9. HAS (Haute Autorité de Santé) evaluation report available at https://www.has-sante.fr/jcms/p_3356494/fr/diagnostic-biologique-des-mycoplasmes-urogenitaux-dans-les-infections-genitales-basses-rapport-d-evaluation 10. Centers for Diesease Control and Prevention STI Treatment Guidelines, 2021 Mycoplasma genitalium. Available online at: https://www.cdc.gov/std/treatment-guidelines/mycoplasmagenitalium. htm 11. Baumann L et al. Sex Transm Infect 2018;94:255-262. 12. Manhart LE et al. Am J Public Health. 2007;97(6):1118-25. 13. Bradshaw CS et al. J Infect Dis. 2017;216 (suppl_2):S412-S419. 14. Soni S. Sex Transm Infect. 2010 Feb;86(1):21-4. 15. ResistancePlus® MG Instructions for use 16. Tan LY et al. PLOS ONE. 2017; 12(1): e0170087.

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Australia - SpeeDx Pty. Ltd.

+61 (0)2 9209 4170

sales@speedx.com.au

Suite 102, 4 Cornwallis Street, Eveleigh NSW 2015 Australia Europe - SpeeDx Ltd.

+44 (0)330 445 0036

sales.uk@speedx.com.au

Acre House 11/15 William Road London NW1 3ER United Kingdom

