



MYCOPLASMA IST 3

Simple and complete diagnosis
of urogenital mycoplasmas



PIONEERING DIAGNOSTICS

Increasingly resistant to current antibiotics, *Mycoplasma hominis* and *Ureaplasma* spp. are responsible for a broad array of infectious conditions involving urogenital and extra-genital tracts in adults. Transmitted venereally or vertically, asymptomatic carriage is common. These pathogens can also be responsible for:

- endometritis
- postpartum endometritis
- pyelonephritis
- osteoarthritis
- bacterial vaginosis
- chorioamnionitis
- arthritis
- wound infections

WHAT IF
YOU COULD TEST MORE
SPECIMENS, USING VALIDATED
COLLECTION DEVICES, AND
IN COMPLIANCE WITH CLSI
GUIDELINES?

IT IS NOW POSSIBLE WITH MYCOPLASMA IST 3

Why a third-generation MYCOPLASMA IST gallery?

Because adapting to best practices to help you increase your performance, improve patient care and sustain antibiotic efficacy is at the heart of our priorities.

EASILY SWITCH TO MYCOPLASMA IST 3

STATE-OF-THE-ART
MYCOPLASMA TESTING
FROM COLLECTION TO RESULTS

NEW FEATURES

- ✓ Validated on male urine and semen
- ✓ Compatible with ESwab® for urethral, vaginal and cervical swabs
- ✓ Includes all antibiotics recommended by the CLSI
- ✓ Improved sensitivity: threshold of 10³ CFU/mL for *Ureaplasma* spp. for urine
- ✓ AST differentiated for mixed culture of *Ureaplasma* spp. and *M. hominis*
- ✓ Large and robust clinical trials
- ✓ Report in CFU/mL

DIRECT BENEFITS

- ✓ Less invasive collection for improved patient comfort
- ✓ More applications
- ✓ Optimized preanalytical step
- ✓ Compliance with international guidelines
- ✓ Improved pathogen detection
- ✓ Reliable guidance of antibiotherapy
- ✓ Result standardization

MYCOPLASMA IST 3

Simple and complete diagnosis of urogenital mycoplasmas
Culture, Identification, Indicative Enumeration, Susceptibility Testing

EXCELLENT PERFORMANCE

EVALUATION BY THREE CLINICAL LABORATORIES

- Cardiff (UK)
- Lyon (France)
- Pancevo (Serbia)

SAMPLES (n = 516)

- 45% vaginal/cervical swabs
- 11% urethral swabs
- 17% semen
- 28% male urine

TEST 1: DETECTION AND IDENTIFICATION

	Positive Agreement	Negative Agreement
At the sample level	97.5 [94.4-99.2]% (199/204)	99.7 [98.2-100.0]% (311/312)
At the species level <i>Ureaplasma</i> spp.	98.5 [94.6-99.8]% (129/131)	99.7 [98.6-100.0]% (384/385)
At the species level <i>Mycoplasma hominis</i>	92.6 [85.6-96.4]% (88/95)	99.0 [97.5-99.7]% (410/414)

TEST 2: INDICATIVE ENUMERATION

	Exact Agreement	Within $\pm 10^1$ CFU/ml Agreement
Combined species	86.0 [80.3-90.3]% (160/186)	97.8 [94.6-99.4]% (182/186)
At the species level <i>Ureaplasma</i> spp.	86.3 [78.9-91.4]% (101/117)	100.0 [96.9-100.0]% (117/117)
At the species level <i>Mycoplasma hominis</i>	83.7 [74.5-90.0]% (72/86)	94.2 [87.1-97.5]% (81/86)

TEST 3: ANTIMICROBIAL SUSCEPTIBILITY TESTING

<i>Ureaplasma</i> spp.	Isolates status (BMD)			Performance Index		
	Total	#S	#R	CA	ME	VME
Levofloxacin	124	120	4	96.0% (119/124)	4.2% (5/120)	0
Moxifloxacin	124	123	1	98.4% (122/124)	1.6% (2/123)	0
Tetracycline	124	120	1	97.6% (121/124)	1.7% (2/120)	1
Erythromycin	124	120	4	99.2% (123/124)	0.8% (1/120)	0
Telithromycin	125	120	3	99.2% (124/125)	0.8% (1/122)	0
All drugs combined	621	605	16	98.1% (609/621)	1.8% (11/605)	1

<i>Mycoplasma hominis</i>	Isolates status (BMD)			Performance Index		
	Total	#S	#R	CA	ME	VME
Levofloxacin	84	82	2	98.8% (83/84)	1.2% (1/82)	0
Moxifloxacin	84	81	3	97.6% (82/84)	1.2% (1/81)	1
Tetracycline	84	65	19	97.6% (82/84)	1.5% (1/65)	1
Clindamycin	84	84	0	100.0% (84/84)	0.0% (0/84)	N/A
All drugs combined	336	312	24	98.5% (331/336)	1.0% (3/312)	2
All drugs and species combined	957	917	40	98.2% (940/957)	1.5% (14/917)	3

BMD : Broth MicroDilution / CA : Category Agreement / ME : Major Error / VME : Very Major Error



BIOMÉRIEUX'S MYCOPLASMA RANGE

CULTURE, IDENTIFICATION, ENUMERATION AND ANTIBIOTIC SUSCEPTIBILITY TESTS

MYCOPLASMA IST 3 – Ref. 422083

25 tests: 25 strips of 22 tests + 25 R1 vials
+ 25 lyophilised R2 vials

DETECTION

UREA-ARGININE LYO 2 BROTH – Ref. 42508

25 tests (25 R1 vials + 25 lyophilised R2 vials)



COLLECTION AND CULTURE

ESwab® RANGE ESwab® 490CEA

Tube + 1 regular FLOQSwab

ESwab® 491CEA

Tube + 1 Mini tip FLOQSwab

MYCOPLASMA PREPARATION – Ref. 42507

8 tests (8 R1 vials for specimen collection and transport)

Innovation in microbiology must never stop because your **laboratory challenges never stop**. For more than 50 years, bioMérieux has shared your commitment to continually strengthen laboratory impact on patient therapy. For all your testing needs – from **the most routine to the truly challenging** – our integrated **ID, AST**** and blood culture offer** lets you leverage your expertise to ensure test results that impact timely, appropriate therapy.

****ID & AST: identification and susceptibility testing

