

Mycoplasma System Plus

System for detection, count and susceptibility testing of **Urogenital Mycoplasmas/Ureaplasmas**

DIRECT INOCULATION FROM THE SPECIMEN SUSPENSION, **NO ENRICHMENT BROTH**



RESULTS IN 24-48 HOURS INCUBATION AT 36±1 °C INEXPENSIVE, EASY TO USE, INSTRUMENTS FREE

Urogenital Mycoplasmas

COUNT

<10⁴ CFU/mL



Low growth of mycoplasmas is shown by colour change of well: I-GR+ from yellow to red

<10⁵ CFU/mL



Moderate growth of mycoplasmas is shown by colour change of wells: I-GR+, 2-GR++ from yellow to red

>10⁵ CFU/mL



High growth of mycoplasmas is shown by colour change of wells: I-GR+, 2-GR++, 3-GR+++ from yellow to red

DETECTION

Mycoplasma hominis



The presence of Mycoplasma hominis is shown by colour change of well: 4-ADC from yellow to red

Ureaplasma urealyticum



The presence of Ureaplasma urealyticum is shown by colour change of well: **5-UR from yellow to red**

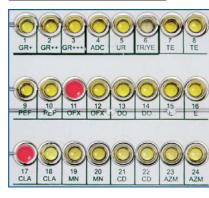
Mycoplasma hominis and Ureaplasma urealyticum



The presence of Micoplasma hominis and Ureaplasma urealyticum is shown by colour change of wells:

4-ADC and 5-UR from yellow to red

SUSCEPTIBILITY TESTING





The Sensitivity to antibiotics is shown by the colour of wells:



The Intermediate sensitivity to antibiotic is shown by colour change of wells: from vellow to orange



The Resistance to antibiotic is shown by colour change of wells: from vellow to red

Protozoa and Yeasts



trophozoites, chlamydospores and hyphae 6-TRAYE under microscopic observation (40x).





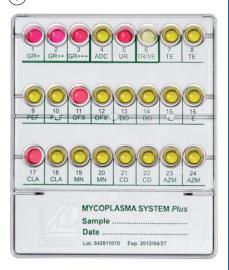
Trichomonas vaginalis trophozoite.



Candida albicans chlamydospores and hyphae

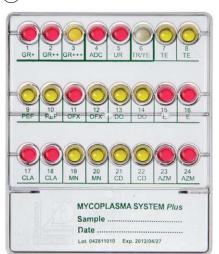
EXAMPLE OF RESULTS

(1)



Sample of vaginal swab with presence of Ureaplasma urealyticum (5-UR) with growth +++ (>105CFU/mL). Susceptibility testing of mycoplasmas: 11-OFX, 17-CLA = Resistant

(2)



Sample of vaginal swab with presence of Mycoplasma hominis (4-ADC) Ureaplasma urealyticum (5-UR) with growth ++ $(10^4 - 10^5 \text{ CFU/mL})$

Susceptibility testing of mycoplasmas: 11-OFX, 15-E, 16-E, 17-CLA, 18-CLA,

23-AZM = Resistant

24-AZM = Intermediate sensitivity

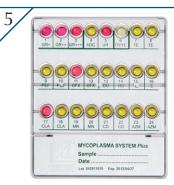
TEST PROCEDURE



Immerse the swab (after obtaining the clinical material) in the vial of physiological solution and wait 5 minutes. Carefully squeeze the swab against the vial wall.



Cover all the wells with I drop of Vaselin Oil, except 6-TR/YE well. Cover the system with the lid provided and incubate in thermostat at 36+/-1°C for 18-24 hours.



Al the end of incubation, watch for the colour change of the wells and interpret the results.

Code 72592

20 test



Transfer 0.2 mL of clinical sample suspension into each well of the system.



Take a drop of liquid from well **6-TR/YE**, deposit it on a glass slide, place a cover slip on top and examine under the microscope (40x) for the presence of Trichomonas vaginalis and Candida spp.



Read and interpret by automatic reader or manually with the test results form.