**Mycoplasma System Plus**

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

**COUNT**
- Low growth of mycoplasmas is shown by colour change of well: from yellow to red
- Moderate growth of mycoplasmas is shown by colour change of wells: from yellow to red
- High growth of mycoplasmas is shown by colour change of wells: from yellow to red

**DETECTION**
- The presence of *Mycoplasma hominis* is shown by colour change of well: 4-ADC from yellow to red
- The presence of *Ureaplasma urealyticum* is shown by colour change of well: 5-UR from yellow to red
- The presence of *Mycoplasma 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: yellow
- The intermediate sensitivity to antibiotic is shown by colour change of wells: from yellow to orange
- The resistance to antibiotic is shown by colour change of wells: from yellow to red

**Protozoa and Yeasts**
- Look for mobile ciliated trophozoites, chlamydospores and hyphae under microscopic observation (40x).

**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**
**TEST PROCEDURE**

1. 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.

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

3. Cover all the wells with 1 drop of Vaseline 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.

4. 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.

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

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

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**EXAMPLE OF RESULTS**

1. Sample of vaginal swab with presence of *Ureaplasma urealyticum* (5-UR) with growth +++ (>10⁵ CFU/mL).

2. Sample of vaginal swab with presence of *Mycoplasma hominis* (4-ADC) *Ureaplasma urealyticum* (5-UR) with growth ++ (10⁴ - 10⁵ CFU/mL)

3. Susceptibility testing of mycoplasmas:
   - 11-OFX, 17-CLA = Resistant
   - 23-AZM = Intermediate sensitivity

4. Sample of vaginal swab with presence of *Ureaplasma urealyticum* (5-UR) with growth +++ (>10⁵ CFU/mL).

5. Susceptibility testing of mycoplasmas:
   - 11-OFX, 17-CLA = Resistant
   - 24-AZM = Intermediate sensitivity