A.F. Genital System

System for detection, count and susceptibility testing of urogenital mycoplasmas and pathogenic microorganisms

**COUNT**

- **<10⁴ CFU/mL**
  - Low growth of mycoplasmas is shown by colour change of well: 1-GR+ from yellow to red

- **<10⁵ CFU/mL**
  - Moderate growth of mycoplasmas is shown by colour change of wells: 1-GR+, 2-GR++ from yellow to red

- **>10⁵ CFU/mL**
  - High growth of mycoplasmas is shown by colour change of wells: 1-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

**SUSCEPTIBILITY TESTING**

- **Trichomonas vaginalis** / Yeasts
  - The presence of *Trichomonas vaginalis* is shown by colour change of well: 19 - GAR from red to yellow

- **Proteus spp.**
  - The presence of *Proteus spp.* is shown by colour change of well: 17 - PRO from yellow to brown

- **Streptococcus agalactiae**
  - The presence of *Streptococcus agalactiae* is shown by colour change of well: 23 - STG from yellow to green

- **Neisseria gonorrhoeae**
  - The presence of *Neisseria gonorrhoeae* is shown by colour change of Oxidase test stick: from white to blue

- **Escherichia coli**
  - The presence of *Escherichia coli* is shown by colour change of well: 16 - ESC from red to blue

- **Gardnerella vaginalis**
  - The presence of *Gardnerella vaginalis* is shown by colour change of well: 19 - GAR from red to yellow

- **Pseudomonas spp.**
  - The presence of *Pseudomonas spp.* is shown by colour change of well: 18 - PSE from yellow to green

- **Staphylococcus aureus**
  - The presence of *Staphylococcus aureus* is shown by colour change of well: 20 - STF from yellow to black

- **Candida albicans**
  - The presence of *Candida albicans* is shown by colour change of well: 24 - CAN from green to yellow

**Presumptive Identification**

- **Neisseria gonorrhoeae**
  - The presence of *Neisseria gonorrhoeae* is shown by colour change of Oxidase test stick: from white to blue

- **Gardnerella vaginalis**
  - The presence of *Gardnerella vaginalis* is shown by colour change of well: 19 - GAR from red to yellow

- **Escherichia coli**
  - The presence of *Escherichia coli* is shown by colour change of well: 16 - ESC from red to blue

- **Proteus spp.**
  - The presence of *Proteus spp.* is shown by colour change of well: 17 - PRO from yellow to brown

- **Streptococcus agalactiae**
  - The presence of *Streptococcus agalactiae* is shown by colour change of well: 23 - STG from yellow to green

- **Candida spp.**
  - The presence of *Candida spp.* is shown by colour change of well: 24 - CAN from green to yellow

- **Trichomonas vaginalis** / Yeasts
  - The presence of *Trichomonas vaginalis* is shown by colour change of well: 19 - GAR from red to yellow

- **Proteus spp.**
  - The presence of *Proteus spp.* is shown by colour change of well: 17 - PRO from yellow to brown

- **Streptococcus agalactiae**
  - The presence of *Streptococcus agalactiae* is shown by colour change of well: 23 - STG from yellow to green

- **Candida spp.**
  - The presence of *Candida spp.* is shown by colour change of well: 24 - CAN from green to yellow

- **Neisseria gonorrhoeae**
  - The presence of *Neisseria gonorrhoeae* is shown by colour change of Oxidase test stick: from white to blue

- **Gardnerella vaginalis**
  - The presence of *Gardnerella vaginalis* is shown by colour change of well: 19 - GAR from red to yellow

- **Escherichia coli**
  - The presence of *Escherichia coli* is shown by colour change of well: 16 - ESC from red to blue

- **Proteus spp.**
  - The presence of *Proteus spp.* is shown by colour change of well: 17 - PRO from yellow to brown

- **Streptococcus agalactiae**
  - The presence of *Streptococcus agalactiae* is shown by colour change of well: 23 - STG from yellow to green

- **Candida spp.**
  - The presence of *Candida spp.* is shown by colour change of well: 24 - CAN from green to yellow

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

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

**Code 74156**  
20 test

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 wells 1 to 5, 7 to 15, 19 and 24 with 1 drop of Vaseline Oil. 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. Take a drop of liquid from well 22-NES, deposit it on an Oxidase Test Stick and observe the immediate development (10 seconds roughly) of a blue colour (positive oxidase test).

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

---

**EXAMPLE OF RESULTS**

1. Sample of vaginal swab with presence of  
   - *Gardnerella vaginalis* (19-GAR)  
   - *Enterococcus faecalis* (21-STR)  
   - *Streptococcus agalactiae* (23-STG)  
   - *Candida* spp. (24-CAN)

2. Sample of vaginal swab with presence of  
   - *Mycoplasma hominis* (4-ADC)  
   - *Ureaplasma urealyticum* (5-UR)  
   - *E. coli* (16-ESC) and  
   - *Gardnerella vaginalis* (19-GAR)  

   Susceptibility testing of mycoplasmas:  
   - 11-E, 12-CLA, 14-JOS, 15-CD = Resistant

---

**Sample of vaginal swab with presence of  
   - *Gardnerella vaginalis* (19-GAR)  
   - *Enterococcus faecalis* (21-STR)  
   - *Streptococcus agalactiae* (23-STG)  
   - *Candida* spp. (24-CAN)**