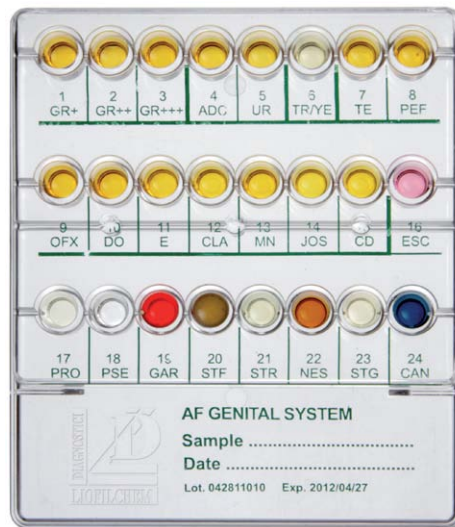


A.F. Genital System

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

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

Urogenital Mycoplasmas

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**

Mycoplasma hominis and *Ureaplasma urealyticum*



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**



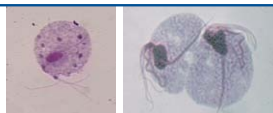
The **Resistance** to antibiotic is shown by colour change of wells: **from yellow to red**

Presumptive Identification

Trichomonas vaginalis / Yeasts



Observe the presence of mobile ciliated trophozoites, chlamydospores and hyphae under microscopic observation (40x).



Trichomonas vaginalis trophozoite.



Candida albicans chlamydospores and hyphae

Escherichia coli



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



NEGATIVE

Proteus spp.



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



NEGATIVE

Pseudomonas spp.



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



NEGATIVE

Gardnerella vaginalis



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



NEGATIVE

Staphylococcus aureus



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



NEGATIVE

Enterococcus faecalis



The presence of ***Enterococcus faecalis*** is shown by colour change of well: **21 - STR from yellow to black**



NEGATIVE

Neisseria gonorrhoeae



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



NEGATIVE

Streptococcus agalactiae



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



NEGATIVE

Candida spp.



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



NEGATIVE

A.F. Genital System

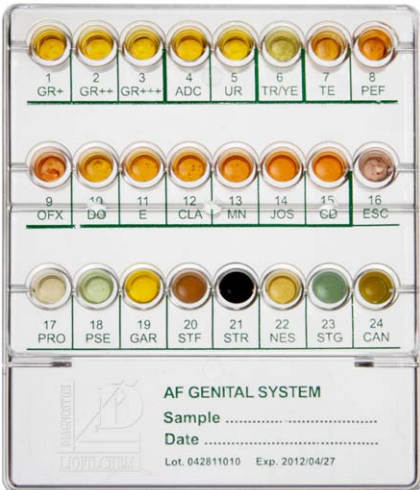
TEST PROCEDURE

Code 74156

20 test

EXAMPLE OF RESULTS

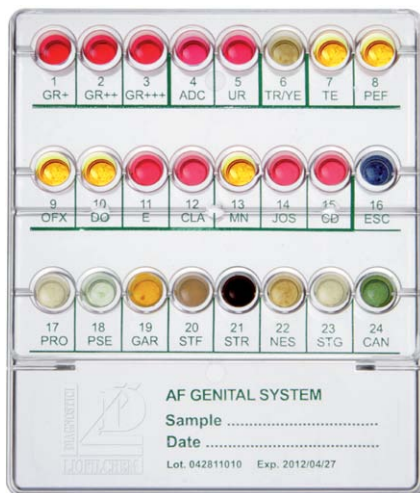
①



Sample of vaginal swab with presence of

- Gardnerella vaginalis*** (19-GAR)
- Enterococcus faecalis*** (21-STR)
- Streptococcus agalactiae*** (23-STG)
- Candida spp.*** (24-CAN)

②



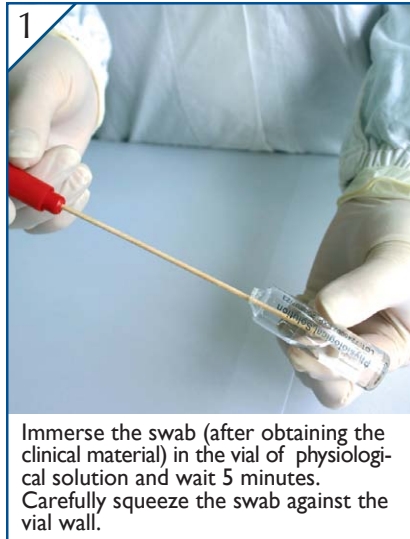
Sample of vaginal swab with presence of

- Mycoplasma hominis*** (4-ADC)
- Ureaplasma urealyticum*** (5-UR)

with growth +++ (>10⁵ CFU/mL)

- E. coli*** (16-ESC) and
- Gardnerella vaginalis*** (19-GAR)

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



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.



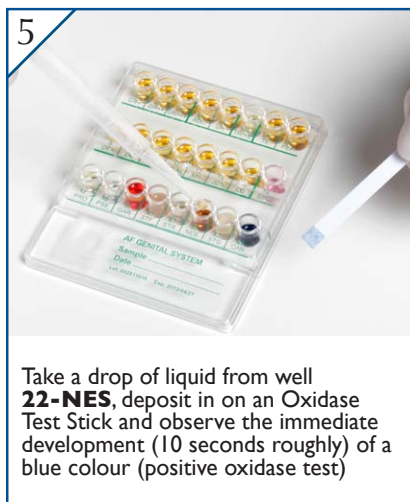
2
Transfer 0.2 mL of clinical sample suspension into each well of the system.



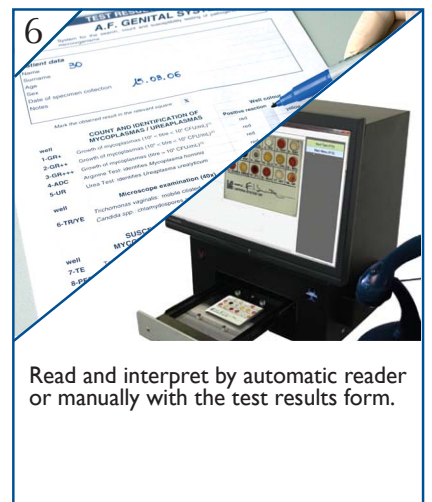
3
Cover wells 1 to 5, 7 to 15, 19 and 24 with 1 drop of Vaseline Oil. Cover the system with the lid provided and incubate in thermostat at 36 ± 1 °C for 18-24 hours.



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.

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