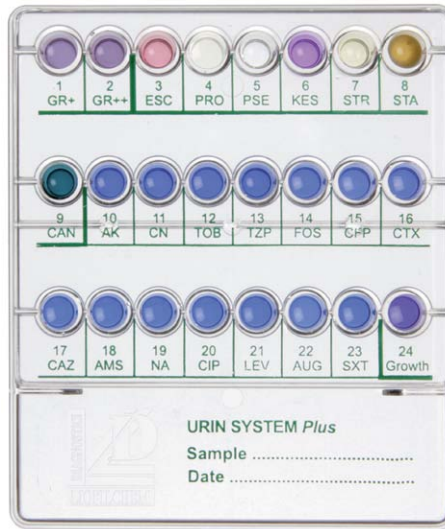


URIN SYSTEM Plus

System for count, presumptive identification and susceptibility testing of microorganisms from urinary infections

DIRECT INOCULATION FROM URINE SAMPLE



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

Total Bacterial Count

NO microbial growth



1-GR+, 2-GR+: violet
No colour change

Significant bacteriuria



1-GR+: from violet to yellow
Significant bacteriuria ($10^5 < \text{CFU/mL} < 10^6$)

Marked bacteriuria



1-GR+, 2-GR+: from violet to yellow
Marked bacteriuria ($\text{CFU/mL} > 10^6$)

Presumptive Identification

Escherichia coli



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



NEGATIVE

Proteus spp.



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



NEGATIVE

Pseudomonas spp.



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



NEGATIVE

KES group



The presence of **KES Group** is shown by colour change of well:
6 - KES from violet to yellow



NEGATIVE

Enterococcus spp.



The presence of **Enterococcus spp.** is shown by colour change of well:
7 - STR from yellow to black



NEGATIVE

Staphylococcus aureus



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



NEGATIVE

Candida spp.



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



NEGATIVE

Observe the presence of chlamydoconidia and hyphae under microscopic observation (40x)



Candida albicans chlamydoconidia and hyphae

Susceptibility Testing



The **Sensitivity** to antibiotics is shown by colour of wells: **blue**



The **Intermediate sensitivity** to antibiotics is shown by colour change of wells: **from blue to grey**



The **Resistance** to antibiotics is shown by colour change of wells: **from blue to yellow**



The **Microbial Growth Control** is shown by colour change of well: **24-C from blue to yellow**

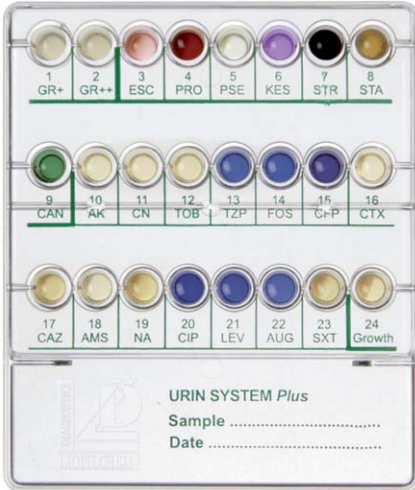
TEST PROCEDURE

Code 74160

20 test

EXAMPLE OF RESULTS

1



Sample of urine with **Marked bacteriuria** (1-GR+, 2-GR++) and presence of **Proteus spp.** (4-PRO) and **Enterococcus spp.** (7-STR)

Susceptibility testing:
10-AK, 11-CN, 12-TOB, 16-CTX,
17-CAZ, 18-AMS, 19-NA,
23-SXT = **Resistance**

2



Sample of urine with **Marked bacteriuria** (1-GR+, 2-GR++) and presence of **E. coli** (3-ESC)

Susceptibility testing:
23-SXT = **Resistance**

