

MICRONAUT-UR

System for bacteriological diagnostics in Urinary Tract Infections (UTI):

Maximum flexibility and reliability for all requirements of the laboratory routine combined in a single system

- ▼ Colorimetric identification of 50 taxa of the relevant gram-negative bacilli and gram-positive cocci with 24 reactions
- ▼ Antimicrobial susceptibility testing of all relevant gram-negative bacilli and gram-positive cocci with 22 antibiotics (incl. MRSA detection and ESBL screening)
- ▼ Identification and susceptibility testing of 2 isolates combined in one work step based on ideal workflow
- ▼ Computer-assisted interpretation after visual or automatic reading
- ▼ Automated reading enables interpretation within 18-24 hours
- ▼ MICRONAUT software for automated reading, evaluation, interpretation and reports:
 1. Expert system for verification of MIC data in terms of plausibility and efficacy
 2. Statistic-module for the statistic evaluation of the generated data
 3. QC-module for the internal quality control
 4. Interface for AIS systems in GDT and in LDT format included
- ▼ Easy storage (15-25°C) and high product stability (shelf life of 24 month from date of production).



Taxa list

<i>Achromobacter species</i>	<i>Plesiomonas shigelloides</i>
<i>Acinetobacter species</i>	<i>Proteus mirabilis</i>
<i>Aeromonas species</i>	<i>Proteus vulgaris</i>
<i>Burkholderia cepacia</i>	<i>Providencia alcalifaciens</i>
<i>Citrobacter amalonaticus</i>	<i>Providencia rettgeri</i>
<i>Citrobacter freundii</i>	<i>Providencia stuartii</i>
<i>Citrobacter koseri</i>	<i>Pseudomonas aeruginosa</i>
<i>Corynebacterium urealyticum</i>	<i>Pseudomonas oryzihabitans</i>
<i>Cronobacter sakazakii</i>	<i>Pseudomonas putida</i>
<i>Enterobacter aerogenes</i>	<i>Pseudomonas species</i>
<i>Enterobacter cloacae</i>	<i>Raoultella ornithinolytica</i>
<i>Enterobacter asburiae</i>	<i>Salmonella species</i>
<i>Enterobacter gergoviae</i>	<i>Serratia liquefaciens</i>
<i>Enterococcus durans</i>	<i>Serratia marcescens</i>
<i>Enterococcus faecalis</i>	<i>Serratia rubidaea</i>
<i>Enterococcus faecium</i>	<i>Staphylococcus aureus</i>
<i>Escherichia coli</i>	<i>Staphylococcus epidermidis</i>
<i>Hafnia alvei</i>	<i>Staphylococcus haemolyticus</i>
<i>Klebsiella oxytoca</i>	<i>Staphylococcus lugdunensis</i>
<i>Klebsiella pneumoniae subsp. pneumoniae</i>	<i>Staphylococcus saprophyticus supsp. saprophyticus</i>
<i>Kluyvera cryocrescens</i>	<i>Stenotrophomonas maltophilia</i>
<i>Leclercia adecarboxylata</i>	<i>Streptococcus agalactiae</i>
<i>Micrococcus luteus</i>	<i>Streptococcus bovis</i>
<i>Morganella morganii</i>	<i>Streptococcus pneumoniae</i>
<i>Pantoea agglomerans</i>	<i>Streptococcus pyogenes</i>

Class	Antibiotics
Penicillins	Penicillin G, Amoxicillin, Piperacillin, Oxacillin (detection of Methicillin resistance)
β -Lactam / β -Lactamase combinations	Amoxicillin-clavulanic acid, Piperacillin-tazobactam
Cephems	Cefaclor, Cefuroxime, Ceftazidime, Cefotaxime, Cefpodoxime (ESBL screening)
Fluoroquinolones	Norfloxacin, Ofloxacin, Levofloxacin, Ciprofloxacin
Aminoglycosides	Gentamicin
Tetracyclines	Doxycyclin
Others	Fosfomycin, Nitrofurantoin, Nitroxolin, Trimethoprim, Trimethoprim-sulfamethoxazole