MICRONAUT-UR

New test system designed for bacteriological diagnostics in Urinary Tract Infections (UTI)

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

NEW ▶ Improved spectrum of antibiotics by introduction of **meropenem** and the novel antibiotic **mecillinam**

- ▶ Colorimetric identification of 50 taxa of the relevant gram-negative bacilli and gram-positive cocci with 23 reactions
- ▶ Antimicrobial susceptibility testing of all relevant gram-negative bacilli and gram-positive cocci with 20 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 automated reading or visual reading and 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. Interfaces for AIS systems in GDT and in LDT format included
- ▶ Easy storage (15-25°C) and high product stability (shelf life of 24 months from date of production).

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Taxa list

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

Classes	Antibiotics
Penicillins	Penicillin G, Amoxicillin, Piperacillin, Mecillinam, Oxacillin (detection of Methicillin resistance in CNS)
ß-Lactam / ß-Lactamase-inhibitor combinations	Amoxicillin-clavulanic acid, Piperacillin-tazobactam
Cephalosporins	Cefuroxime, Ceftazidime, Cefpodoxime (ESBL screening), Cefoxitin (MRSA detection)
Carbapenems	Meropenem
Fluoroquinolones	Norfloxacin, Ciprofloxacin
Aminoglycosides	Gentamicin
Tetracyclines	Doxycycline
Others	Fosfomycin, Nitrofurantoin, Nitroxolin, Trimethoprim, Trimethoprim-sulfamethoxazole

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