

MICRONAUT-S

Microplates for automated or manual susceptibility testing of bacteria

Principle of the test

The susceptibility testing with MICRONAUT-S plates is based on the rehydration of antibiotics by adding a standardized bacteria suspension. After incubation of 18-24 hours at 35-37 °C the result is read photometrically with the Skan device and evaluated with the MICRONAUT Software or read visually and interpreted.

Storage conditions

Because of a special vacuum drying process the plates can be stored at usual room temperature of 15-25 °C. The MICRONAUT-S test plates have a shelf life of 24 months.

Test procedure

- ▼ Preparation of bacteria suspension in SoCl (McFarland 0.5)
- ▼ Transfer to broth (i.e. Mueller-Hinton II-broth, H-broth)
- ▼ Inoculation of MICRONAUT-S test plate
- ▼ Incubation for 18-24 hours at 35-37 °C
- ▼ Photometric reading with the Skan device
- ▼ Interpretation of the results with the MICRONAUT software

Antibiotics

Any customer defined antibiotic configuration (MIC or break point) can be offered. Depending on the antibiotics and concentration ranges selected (breakpoint or MIC) 1, 2 or 4 isolates may be tested on a single MICRONAUT-S plate. In addition, customers have the choice to select between a diversity of standard AST panels.

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(“Rx“ test in the software, “Hx“ for fastidious bacteria)
1, 2 oder 4 tests / plate

