

# 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 NaCl (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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