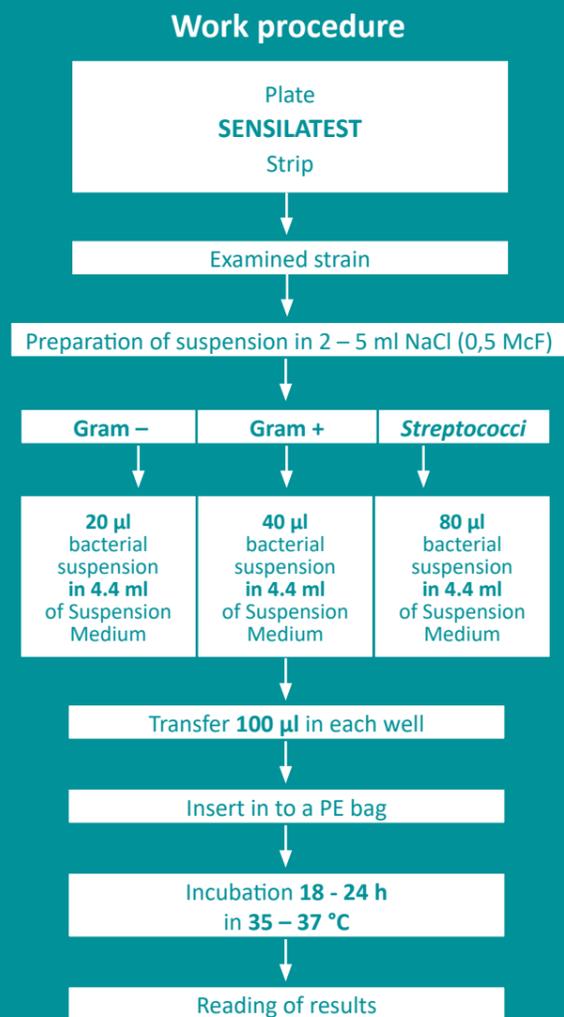


MIKROLATEST® BP

Break-point system for antibiotic susceptibility testing



| Kits | Cat. nr. | Nr. of tests | Target |
|-----------------------------------|----------|--------------|---|
| SENSILATEST G-I | 10020279 | 60 | Enterobacteriaceae (basic antibiotics) |
| SENSILATEST G-II | 10020280 | 60 | Enterobacteriaceae (special antibiotics) |
| SENSILATEST NEFERM | 10020285 | 60 | Non-fermenting bacteria |
| SENSILATEST URINE | 10020284 | 40 | Bacteria isolated from urine and urinary tract, especially Enterobacteriaceae |
| SENSILATEST G+ | 10020282 | 40 | Enterococcus and Streptococcus (excluding Str. pneumoniae) |
| SENSILATEST STAPHY | 10020283 | 60 | Staphylococcus |
| Suspension medium for SENSILATEST | 10020286 | 20 | - |



- Based on EUCAST
- Easy interpretation
- Visual reading of results
- Striped microplates
- Expiration up to 2 years after production
- Storage at room temperature
- Dehydrated suspension medium is part of the kit

 **Erba Lachema s.r.o.**
 Karásek 2219/1d, 621 00 Brno, Czech Republic
 Tel.: +420 517 077 111
 E-mail: diagnostics@erbalachema.com
www.erbalachema.com



Contact info / map



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MIKROLATEST® BP

Breakpoint system for antibiotic susceptibility testing MIKROLATEST® BP

Principle of the method:

Testing is based on bacterial growth in breakpoint concentrations of antibiotics. Breakpoints refer to standards of European Committee for Antimicrobial Susceptibility Testing – EUCAST issued in January 2011. Most of the antibiotics are represented by two (in exceptional cases one or three) breakpoint concentrations which enable interpretation to three categories: sensitive, intermediate or resistant.

These categories are characterised by EUCAST* as follows:

Microorganism is defined as sensitive by a level of antimicrobial activity associated with a high probability of therapeutic success, Microorganism is defined as intermediate by a level of antimicrobial activity associated with uncertain therapeutic effect, Microorganism is defined as resistant by a level of antimicrobial activity associated with a high probability of therapeutic failure.

In each test system there is a growth control.

* www.eucast.org

SENSILATEST G-I

The kit is designed to test antimicrobial susceptibility of bacteria from Enterobacteriaceae family. The kit contains 60 detection strips. It enables prognosis of ESBL production. We recommend to use MIKROLATEST BP G-I together with MIKROLATEST BP G-II to test susceptibility of antibiotics aimed for treatment of serious infections especially in hospitalized patients.

| Growth control | Ampicillin | Ampicillin /sulbactam | Cefalexin | Cefuroxime | Cefotaxime | | Colistin |
|----------------|------------|-------------------------------|-----------|------------|------------|----------|----------|
| GC | AMP | AMS | CEX | CXM | CTX | CTX | COL |
| | 8 | 8/4 | 16 | 8 | 1 | 2 | 2 |
| Ciprofloxacin | | Trimetoprim /sulfamethoxazole | | Gentamicin | | Amikacin | |
| CIP | CIP | TS | TS | GEN | GEN | AMK | AMK |
| 0.5 | 1 | 2/38 | 4/76 | 2 | 4 | 8 | 16 |

SENSILATEST G-II

The kit is designed to test antimicrobial susceptibility of bacteria from Enterobacteriaceae family. It enables prognosis of ESBL production. The antibiotics in this kit are aimed for treatment of serious infections especially in hospitalized patients. Antibiotics for less serious infections are included in the kit MIKROLATEST BP G-I. The kit contains 60 detection strips.

| Growth control | Piperacillin /tazobactam | Meropenem | | Cefepime | | Ceftazidime | |
|----------------|--------------------------|-------------|-----|------------|-----|---------------------------|-----|
| GC | PIT | MER | MER | CEP | CEP | CAZ | CAZ |
| | 16/4 | 2 | 8 | 1 | 4 | 1 | 4 |
| Aztreonam | | Tigecycline | | Netilmicin | | Ceftazidime / clavulanate | |
| AZT | AZT | TGC | TGC | NET | NET | CZC | CZC |
| 1 | 4 | 1 | 2 | 2 | 4 | 0.25/4 | 1/4 |

SENSILATEST G+

The kit is designed to test antimicrobial susceptibility of Gram-positive bacteria: enterococci and A,B,C,G streptococci.

The kit contains 40 detection strips.

| Growth control | Chloramphenicol | Moxifloxacin | | Linezolid | | Ampicillin | |
|----------------|-----------------|--------------|-----|-------------|------------|------------|-----|
| GC | CMP | MOX | MOX | LIZ | LIZ | AMP | AMP |
| | 8 | 0.5 | 1 | 2 | 4 | 4 | 8 |
| Tigecycline | | Levofloxacin | | Erytromycin | | Penicillin | |
| TGC | TGC | LEV | LEV | ERY | ERY | PEN | PEN |
| 0.25 | 0.5 | 1 | 2 | 0.25 | 0.5 | 0.25 | 2 |
| Ceftriaxon | | Tetracycline | | Clindamycin | Gentamicin | Vancomycin | |
| CRO | CRO | TET | TET | CLI | GEN | VAN | VAN |
| 0.5 | 1 | 1 | 2 | 0.5 | 256 | 2 | 4 |

SENSILATEST URINE

The kit is designed to test antimicrobial susceptibility of bacteria isolated from urine tract, especially family Enterobacteriaceae. It enables prognosis of ESBL production.

The kit contains 40 detection strips.

| Growth control | Ampicillin | Amoxicillin/ clavulanate | Piperacillin /tazobactam | Cefotaxime | | Ceftazidime | |
|-------------------------|------------|-------------------------------|--------------------------|------------|-----|-------------|----------------|
| GC | AMP | AMC | PIT | CTX | CTX | CAZ | CAZ |
| | 8 | 8/4 | 16/4 | 1 | 2 | 1 | 4 |
| Ceftazidime/clavulanate | | Gentamicin | | Amikacin | | Norfloxacin | |
| CZC | CZC | GEN | GEN | AMK | AMK | NOR | NOR |
| 1/4 | 4/4 | 2 | 4 | 8 | 16 | 0.5 | 1 |
| Ciprofloxacin | | Trimetoprim /sulfamethoxazole | | Ertapenem | | Fosfomicin | Nitrofurantoin |
| CIP | CIP | T/S | T/S | ERT | ERT | FOS | NFT |
| 0.5 | 1 | 2/38 | 4/76 | 0.5 | 1 | 32 | 64 |

SENSILATEST NEFERM

The kit is designed to test antimicrobial susceptibility of non-fermenting bacteria. It enables prognosis of MBL (metallo-beta-lactamase) production.

The kit contains 60 detection strips.

| Growth control | Ceftazidime | Cefepime | Meropenem | | | Amikacin | |
|----------------|-------------|-------------------------------|-----------|----------|-----|--------------------------|------------|
| GC | CAZ | CEP | MER | MER | MER | AMK | AMK |
| | 8 | 8 | 2 | 4 | 8 | 8 | 16 |
| Ciprofloxacin | | Trimetoprim /sulfamethoxazole | | Colistin | | Piperacillin /tazobactam | Gentamicin |
| CIP | CIP | T/S | T/S | COL | COL | PIT | GEN |
| 0.5 | 1 | 2/38 | 4/76 | 2 | 4 | 16/4 | 4 |

SENSILATEST STAPHY

The kit is designed to test antimicrobial susceptibility of staphylococci. Possibility of MRSA is indicated. The kit contains 60 detection strips.

| Growth control | Trimetoprim /sulfamethoxazol | | Tigecycline | Linezolid | Erytromycin | | Vancomycin | |
|----------------|------------------------------|-----------|--------------|------------|-------------|-------------|------------|------------|
| GC | T/S | T/S | TGC | LIZ | ERY | ERY | VAN | |
| | 2/38 | 4/76 | 0.5 | 4 | 1 | 2 | 2 | |
| Ciprofloxacin | | Cefoxitin | Fusidic acid | Rifampicin | | Clindamycin | | Gentamicin |
| CIP | COX | FUS | RAM | RAM | CLI | CLI | GEN | |
| 1 | 4 | 1 | 0.0625 | 0.5 | 0.25 | 0.5 | 1 | |



MIKROLATEST® BP Breakpoint AST kits
are represented by traditional SENSILATEST line.