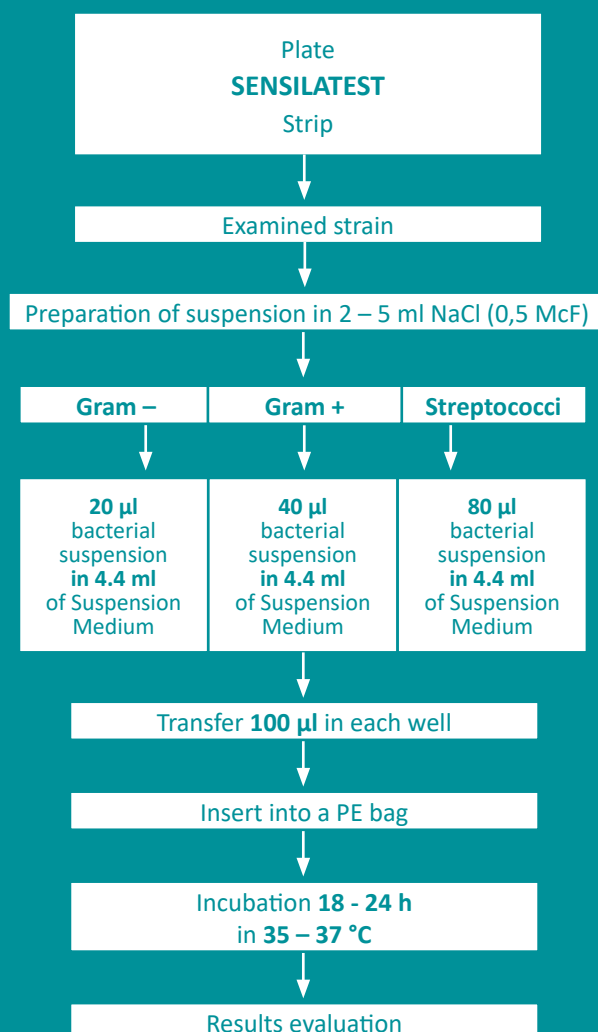


## Work procedure



Kits	Cat. nr.	Nr. of tests	Target
SENSILATEST G-I	MLT00077	60	Enterobacteriaceae (basic antibiotics)
SENSILATEST G-II	MLT00078	60	Enterobacteriaceae (special antibiotics)
SENSILATEST NEFERM	MLT00079	60	Non-fermenting bacteria
SENSILATEST URINE	MLT00071	40	Bacteria isolated from urine and urinary tract, especially Enterobacteriaceae
SENSILATEST G+	MLT00086	40	Enterococcus and Streptococcus (excluding Str. pneumoniae)
SENSILATEST STAPHY	MLT00080	60	Staphylococcus
Suspension medium for SENSILATEST	MLT00082	20	-

# MIKROLATEST® BP

## Breakpoint system for antibiotic susceptibility testing



- Based on EUCAST
- Easy interpretation
- Visual reading of results
- Striped microplates
- Expiration up to 2 years after production
- Storage at room temperature



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Contact info / map

MIKROLATESTBP20180901EN

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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		Trimethoprim /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		Erythromycin		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		Trimethoprim /sulfamethoxazole		Ertapenem		Fosfomycin	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 Gram-negative 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		Trimethoprim /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	Trimethoprim /sulfamethoxazol		Tigecycline	Linezolid	Erythromycin		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.