

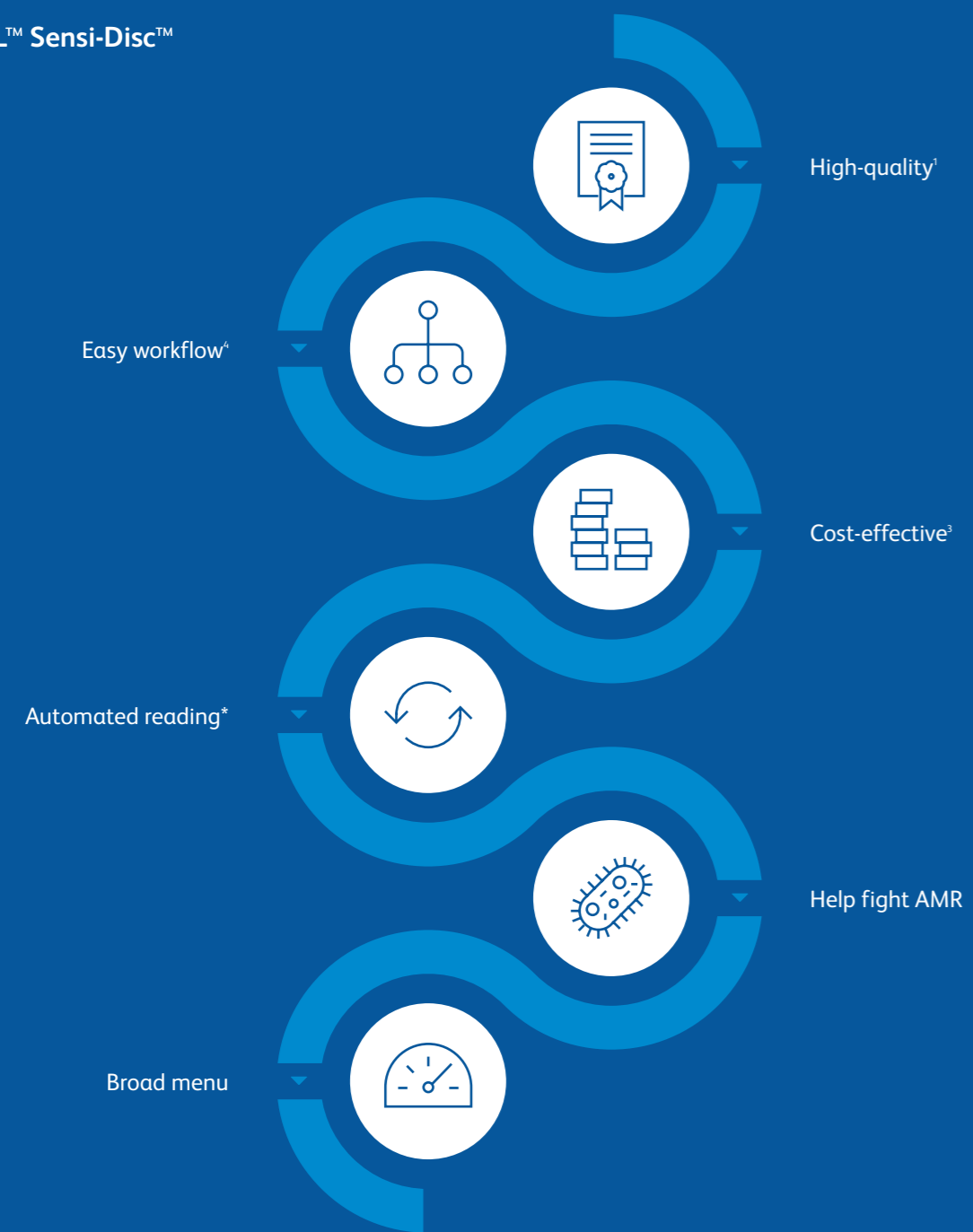
Disc diffusion is one of the most dependable and widely used Antimicrobial Susceptibility Testing (AST) techniques.⁵

BD disc diffusion provides a comprehensive menu of:

- High-quality antimicrobial discs*
- Sample preparation and dispensing standardisation tools
- Automated plate reading software*


BD BBL™ Sensi-Disc™ delivers accurate, convenient and comprehensive disc diffusion¹

BD BBL™ Sensi-Disc™



*Only available in select countries.


Confidently guide antimicrobial use

Ref	Drug	Concentration (µg)	EUCAST	CLSI
231693	Gentamicin	GM-120		
232236	Gentamicin	GM-30		
231645	Imipenem	IPM-10	✓	✓
231301	Kanamycin	K-30	✓	✓
231705	Levofloxacin	LVX-5	✓	✓
231706	Levofloxacin	LVX-5	✓	✓
232184	Linezolid	LZD-10	✓	
231761	Linezolid	LZD-30		✓
231762	Linezolid	LZD-30		✓
232197	Marbofloxacin	MAR-5		
232149	Mecillinam	MEC-10	✓	✓
231704	Meropenem	MEM-10	✓	✓
231605	Metronidazole	MET-80		
291279	Metronidazole	MET-5		
231251	Minocycline	MI-30	✓	✓
231758	Maxifloxacin	MXF-5	✓	✓
232097	Mupirocin	MUP-200	✓	✓
231311	Nalidixic Acid	NA-30	✓	✓
231313	Neomycin	N-30		
231603	Netilmicin	NET-30		✓
231292	Nitrofurantoin	F/M-100	✓	
231293	Nitrofurantoin	F/M-300		✓
231647	Norfloxacn	NOR-10	✓	✓
231314	Novobiocin	NB-5		
231315	Novobiocin	NB-30		
231672	Ofloxacin	OFX-5	✓	✓
232016	Oleandomycin	OL-15		
231319	Oxacillin	OX-1	✓	✓
231342	Oxytetracycline	T-30		✓
231321	Penicillin	P-10		✓
291285	Penicillin	P-1	✓	
231609	Piperacillin	PIP-100		✓
232263	Piperacillin	PIP-30	✓	
231692	Piperacillin-Tazobactam	TZP110		✓
232235	Piperacillin-Tazobactam	TZP-36	✓	
231324	Polymyxin B	PB-300		✓
231544	Rifampin	RA-5	✓	✓
231328	Streptomycin	S-10		✓
231694	Streptomycin	S-300	✓	
232267	Sulb-Cefop	SCP-105		
231539	Sulfamethoxazole W/Trim	SXT-23.75/1.25	✓	✓
291311	Teicoplanin	TEC-30	✓	✓
291034	Temocillin	TEM-30	✓	✓
231344	Tetracycline	TE-30	✓	✓
231619	Ticarcillin	TIC-75	✓	✓
231649	Ticarcillin/Clavulanic	TIM-85	✓	✓
232087	Tigecycline	TGC-15	✓	✓
232208	Tigecycline	TGC-15	✓	✓
231569	Tobramycin	NN-10	✓	✓
231601	Trimethoprim	TMP-5	✓	✓
231352	Vancomycin	VA-5	✓	
231353	Vancomycin	VA-30		✓

1. J. Ahman, E Matuschek, G. Kahlmeter, EUCAST, The quality of antimicrobial discs from nine manufacturers evaluations in 2014 and 2017, European Society of Clinical Microbiology and Infectious Diseases.
2. Product Insert of Prompt Inoculation System, 226306.
3. Humphries RM, et al. The Continued Value of Disk Diffusion for Assessing Antimicrobial Susceptibility in Clinical Laboratories: Report from the Clinical and Laboratory Standards Institute Methods
4. Lund ME, Hawkinson RW. Evaluation of the Prompt inoculation system for preparation of standardized bacterial inocula. J Clin Microbiol. 1983 Jul;18(1):84-91. doi: 10.1128/jcm.18.1.84-91.1983. PMID: 6885994; PMCID: PMC270748.
5. Gajic I, Kabic J, Kekic D, Jovicevic M, Milenkovic M, Mitic Culafic D, Trudic A, Ranin L, Opavski N. Antimicrobial Susceptibility Testing: A Comprehensive Review of Currently Used Methods. Antibiotics (Basel). 2022 Mar 23;11(4):427. doi: 10.3390/antibiotics11040427. PMID: 35453179; PMCID: PMC9024665.

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BD BBL™ Sensi-Disc™

Disc diffusion for high-performance microbiology laboratories



In a recent EUCAST study, BD BBL™ Sensi-Discs™ were ranked among the highest quality discs globally.¹



High-quality

High-quality discs are critical for accurate AST results, which may significantly impact clinical outcomes.



Easy workflow

BD disc diffusion systems deliver a standard, efficient mechanism for the Kirby-Bauer process, while potentially reducing human error.

Standardised and efficient inoculum preparation*

The BD BBL™ Prompt Inoculation system standardises bacteria suspension preparation*

- No manual adjustment for turbidity
- No incubation period in broth

Flexible and efficient disc dispensing

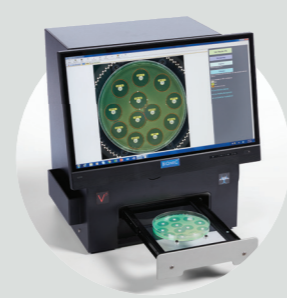
BD dispensers standardise BD BBL™ Sensi-Disc™ placement on prepared media plates

- Simultaneous placement of 1 to 12 discs in a consistent, uniform pattern



Cost-effective

Disc diffusion is an effective, flexible and economical method of AST.²



Automated reading*

BIOMIC V3 automates the reading and interpretation of BD BBL™ Sensi-Discs™, connects with your Laboratory Information System (LIS) and supports disc quality control.

Automated zone reading and interpretation

- BIOMIC V3 reads and interprets BD BBL™ Sensi-Disc™ plates in 1-2 seconds
- Regular expert software updates interpret susceptibility/resistance in line with the latest CLSI and EUCAST guidelines

LIS connectivity

- AST results may be transferred to the LIS and integrated with overall laboratory AST results, improving antibiograms and epidemiology reports.

Optimal menu: BD BBL™ Sensi-Discs™ for CLSI and EUCAST

BD is committed to developing and commercialising new antimicrobials on BD BBL™ Sensi-Discs™ by working closely with pharmaceutical companies across the globe.

BD BBL™ Sensi-Discs™ products contain known concentrations of antimicrobials for use in the Kirby-Bauer disc diffusion method.

Ref	Drug	Concentration (µg)	EUCAST	CLSI
231597	Amikacin	AN-30	✓	✓
295306	Amoxicillin	AMX-25		
231629	Amoxicillin/Clavulanic	AMC-30	✓	✓
291270	Amoxicillin/Clavulanic	AMC-3		
231263	Ampicillin	AM-2	✓	
231264	Ampicillin	AM-10	✓	✓
231660	Ampicillin/Sulbactam	SAM-20	✓	✓
231682	Azithromycin	AZM-15	✓	✓
231641	Aztreonam	ATM-30	✓	✓
231267	Bacitracin	B-2		
231268	Bacitracin	B-10		
232264	Blank Disc			
231653	Cefaclor	CEC-30	✓	✓
254732	Cefalexin	CN-30	✓	
295308	Cefalexin	CN-30	✓	
231271	Cefalothin	CF-30		✓
231593	Cefazolin	CZ-30	✓	✓
231696	Cefepime	CEP-30	✓	✓
231664	Cefixime	CFM-5	✓	✓
231613	Cefoperazone	CFP-75		✓
231607	Cefotaxime	CTX-30		✓
291308	Cefotaxime	CTX-5	✓	
231752	Cefotaxime/Clavulanic			
231751	Cefotaxime/Clavulanic Acid			
231591	Cefoxitin	FOX-30	✓	✓
231673	Cefpodoxime	CPD-10	✓	✓
231674	Cefpodoxime	CPD-10	✓	✓
232231	Ceftaroline	CPT-30		✓
232237	Ceftazidime	CAZ-10	✓	
231633	Ceftazidime	CAZ-30		✓
231753	Ceftazidime/Clavulanic			
231754	Ceftazidime/Clavulanic			
215358	Ceftazidime-Avibactam	CZA-14	✓	
291255	Ceftiofur	XLN-30		
231635	Ceftriaxone	CRO-30	✓	✓
231621	Cefuroxime	CXM-30	✓	✓
231274	Chloramphenicol	C-30	✓	✓
231658	Ciprofloxacin	CIP-5	✓	✓
231678	Clarithromycin	CLR-15		✓
231275	Clindamycin	CC-2	✓	✓
231278	Colistin	CL-10		
232116	Dalfoipristin/Quinupristin	SYN-15	✓	✓
232219	Doripenem	DOR-10	✓	✓
231286	Doxycycline	D-30		✓
231717	Enrofloxacin	ENO-5	✓	
232174	Ertapenem	ETP-10	✓	✓
232175	Ertapenem	ETP-10	✓	✓
231290	Erythromycin	E-15	✓	✓
231709	Fosfomycin	FOS-200	✓	✓
296589	Fosfomycin	FF-50		
291277	Fusidic Acid	FA-10	✓	✓
231299	Gentamicin	GM-10	✓	✓

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