

How to accelerate antimicrobial susceptibility testing

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Adhesive Tape Microfluidics with an Autofocusing Module That Incorporates CRISPR Interference: Applications to Long-Term Bacterial Antibiotic Studies. <i>ACS Sensors</i> , 2019, 4, 2638-2645.	7.8	18
2	Bloodstream infections – Standard and progress in pathogen diagnostics. <i>Clinical Microbiology and Infection</i> , 2020, 26, 142-150.	6.0	102
3	Evaluation of EUCAST rapid antimicrobial susceptibility testing (RAST) for positive blood cultures in clinical practice using a total lab automation. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2020, 39, 1305-1313.	2.9	22
4	Imipenem-Relebactam Susceptibility Testing of Gram-Negative Bacilli by Agar Dilution, Disk Diffusion, and Gradient Strip Methods Compared with Broth Microdilution. <i>Journal of Clinical Microbiology</i> , 2020, 58, .	3.9	12
5	Rapid Detection of Methicillin-Resistant <i>Staphylococcus aureus</i> Directly from Blood for the Diagnosis of Bloodstream Infections: A Mini-Review. <i>Diagnostics</i> , 2020, 10, 830.	2.6	9
6	Electrical antimicrobial susceptibility testing based on aptamer-functionalized capacitance sensor array for clinical isolates. <i>Scientific Reports</i> , 2020, 10, 13709.	3.3	11
7	Editorial: MALDI-TOF MS Application for Susceptibility Testing of Microorganisms. <i>Frontiers in Microbiology</i> , 2020, 11, 568891.	3.5	4
8	Antimicrobial susceptibility testing: currently used methods and devices and the near future in clinical practice. <i>Journal of Applied Microbiology</i> , 2020, 129, 806-822.	3.1	104
9	Combined Molecular and Phenotypic Antimicrobial Susceptibility Testing Is Beneficial in Detection of ESBL and AmpC Beta-Lactamase Producing Isolates of Enterobacteriaceae in Pediatric Patients with Bloodstream Infections. <i>Microbial Drug Resistance</i> , 2020, 26, 825-830.	2.0	1
10	Antimicrobial Susceptibility Testing of Antimicrobial Peptides to Better Predict Efficacy. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 326.	3.9	70
11	Disc diffusion AST automation: one of the last pieces missing for full microbiology laboratory automation. <i>Clinical Microbiology and Infection</i> , 2020, 26, 539-541.	6.0	3
12	Detection of Methicillin Resistance in <i>Staphylococcus aureus</i> From Agar Cultures and Directly From Positive Blood Cultures Using MALDI-TOF Mass Spectrometry-Based Direct-on-Target Microdroplet Growth Assay. <i>Frontiers in Microbiology</i> , 2020, 11, 232.	3.5	29
13	Innovative and rapid antimicrobial susceptibility testing systems. <i>Nature Reviews Microbiology</i> , 2020, 18, 299-311.	28.6	204
14	Rapid identification and antimicrobial susceptibility testing of Gram-negative rod on positive blood cultures using MicroScan panels. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2021, 40, 151-157.	2.9	8
15	Digital electrical impedance analysis for single bacterium sensing and antimicrobial susceptibility testing. <i>Lab on A Chip</i> , 2021, 21, 1073-1083.	6.0	18
16	Emerging Options for the Diagnosis of Bacterial Infections and the Characterization of Antimicrobial Resistance. <i>International Journal of Molecular Sciences</i> , 2021, 22, 456.	4.1	27
17	The role of vaccines in combatting antimicrobial resistance. <i>Nature Reviews Microbiology</i> , 2021, 19, 287-302.	28.6	233
18	EUCAST rapid antimicrobial susceptibility testing (RAST): analytical performance and impact on patient management. <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, 1332-1338.	3.0	19

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19	Diagnostic clinical microbiology. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2021, 44, 250-269.	1.3	1
20	Recent Development of Rapid Antimicrobial Susceptibility Testing Methods through Metabolic Profiling of Bacteria. <i>Antibiotics</i> , 2021, 10, 311.	3.7	12
21	Evaluation of the European Committee on Antimicrobial Susceptibility Testing Guidelines for Rapid Antimicrobial Susceptibility Testing of <i>Bacillus anthracis</i> -, <i>Yersinia pestis</i> - and <i>Francisella tularensis</i> -Positive Blood Cultures. <i>Microorganisms</i> , 2021, 9, 1055.	3.6	8
22	A Rapid Antimicrobial Susceptibility Test for <i>Klebsiella pneumoniae</i> Using a Broth Micro-Dilution Combined with MALDI TOF MS. <i>Infection and Drug Resistance</i> , 2021, Volume 14, 1823-1831.	2.7	7
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24	Multidrug-resistant, gram-negative infections in high-risk haematologic patients: an update on epidemiology, diagnosis and treatment. <i>Current Opinion in Infectious Diseases</i> , 2021, 34, 314-322.	3.1	7
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27	Behind Every Great Infection Prevention Program is a Great Microbiology Laboratory. <i>Infectious Disease Clinics of North America</i> , 2021, 35, 789-802.	5.1	0
28	Rapid Simultaneous Testing of Multiple Antibiotics by the MALDI-TOF MS Direct-on-Target Microdroplet Growth Assay. <i>Diagnostics</i> , 2021, 11, 1803.	2.6	6
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30	The EUCAST rapid disc diffusion method for antimicrobial susceptibility testing directly from positive blood culture bottles. <i>Journal of Antimicrobial Chemotherapy</i> , 2020, 75, 968-978.	3.0	79
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35	Innovations in infectious disease testing: Leveraging COVID-19 pandemic technologies for the future. <i>Clinical Biochemistry</i> , 2023, 117, 10-15.	1.9	8
36	A New Colorimetric Method for Rapid Detection of Antibiotic Resistance in <i>Escherichia coli</i> Isolates. <i>Jundishapur Journal of Microbiology</i> , 2022, 14, .	0.5	3
37	Direct microorganism species identification and antimicrobial susceptibility tests from positive blood culture bottles using rapid Sepsityper Kit. <i>Journal of Infection and Chemotherapy</i> , 2022, 28, 563-568.	1.7	6
38	Electrogenic Bacteria Promise New Opportunities for Powering, Sensing, and Synthesizing. <i>Small</i> , 2022, 18, e2107902.	10.0	25
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41	Liquid Chromatography-Tandem Mass Spectrometry Analysis Demonstrates a Decrease in Porins and Increase in CMY-2 β -Lactamases in <i>Escherichia coli</i> Exposed to Increasing Concentrations of Meropenem. <i>Frontiers in Microbiology</i> , 2022, 13, 793738.	3.5	3
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50	Rapid Antibiotic Susceptibility Testing by Deuterium Labeling of Bacterial Lipids in On-Target Microdroplet Cultures. <i>Journal of the American Society for Mass Spectrometry</i> , 0, , .	2.8	1
51	Miniaturised broth microdilution for simplified antibiotic susceptibility testing of Gram negative clinical isolates using microcapillary devices. <i>Analyst, The</i> , 2022, 147, 3558-3569.	3.5	5
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56	Recent studies on advance spectroscopic techniques for the identification of microorganisms: A review. <i>Arabian Journal of Chemistry</i> , 2023, 16, 104521.	4.9	5
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61	Conventional methods and future trends in antimicrobial susceptibility testing. <i>Saudi Journal of Biological Sciences</i> , 2023, 30, 103582.	3.8	17
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65	Rapid Phenotypic Antimicrobial Susceptibility Testing Using a Coulter Counter and Proliferation Rate Discrepancy. <i>ACS Omega</i> , 2023, 8, 16298-16305.	3.5	1
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