

Extended-Spectrum \hat{I}^2 -Lactamases in the 21st Century: Detection of This Important Resistance Threat

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Evaluation of the Etest ESBL and the BD Phoenix, VITEK 1, and VITEK 2 Automated Instruments for Detection of Extended-Spectrum Beta-Lactamases in Multiresistant <i>Escherichia coli</i> and <i>Klebsiella</i> spp. <i>Journal of Clinical Microbiology</i> , 2002, 40, 3703-3711.	1.8	86
2	TEM-71, a Novel Plasmid-Encoded, Extended-Spectrum $\hat{2}$ -Lactamase Produced by a Clinical Isolate of <i>Klebsiella pneumoniae</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2002, 46, 2000-2003.	1.4	12
3	Is Surveillance for Multidrug-Resistant Enterobacteriaceae an Effective Infection Control Strategy in the Absence of an Outbreak?. <i>Journal of Infectious Diseases</i> , 2002, 186, 1754-1760.	1.9	69
4	Biochemical Characterization of TEM-92 Extended-Spectrum $\hat{2}$ -Lactamase, a Protein Differing from TEM-52 in the Signal Peptide. <i>Antimicrobial Agents and Chemotherapy</i> , 2002, 46, 3981-3983.	1.4	6
5	Broad Resistance Due to Plasmid-Mediated AmpC $\hat{2}$ -Lactamases in Clinical Isolates of <i>Escherichia coli</i> . <i>Clinical Infectious Diseases</i> , 2002, 35, 140-145.	2.9	65
6	$\hat{2}$ -Lactamases of <i>Kluyvera ascorbata</i> , Probable Progenitors of Some Plasmid-Encoded CTX-M Types. <i>Antimicrobial Agents and Chemotherapy</i> , 2002, 46, 3045-3049.	1.4	292
7	Challenges in Antimicrobial Susceptibility Testing and Reporting. <i>Laboratory Medicine</i> , 2002, 33, 877-884.	0.8	0
8	Comparison of screening methods for detection of extended-spectrum $\hat{2}$ -lactamase producing strains isolated in Posadas, Misiones, Argentina. <i>International Journal of Antimicrobial Agents</i> , 2002, 20, 307-308.	1.1	1
9	Imipenem-EDTA Disk Method for Differentiation of Metallo- $\hat{2}$ -Lactamase-Producing Clinical Isolates of <i>Pseudomonas</i> spp. and <i>Acinetobacter</i> spp. <i>Journal of Clinical Microbiology</i> , 2002, 40, 3798-3801.	1.8	428
11	Chromosomal sequences from <i>Klebsiella pneumoniae</i> flank the SHV-5 extended-spectrum $\hat{2}$ -lactamase gene in pACM1. <i>Plasmid</i> , 2002, 48, 73-76.	0.4	8
12	Evolution and spread of antibiotic resistance. <i>Journal of Internal Medicine</i> , 2002, 252, 91-106.	2.7	316
13	Comparison of screening methods for TEM- and SHV-derived extended-spectrum $\hat{2}$ -lactamase detection. <i>Clinical Microbiology and Infection</i> , 2002, 8, 715-724.	2.8	28
15	Exploiting genomics, genetics and chemistry to combat antibiotic resistance. <i>Nature Reviews Genetics</i> , 2003, 4, 432-441.	7.7	101
16	Extended-spectrum $\hat{2}$ -lactamases: implications for the clinical microbiology laboratory, therapy, and infection control. <i>Journal of Infection</i> , 2003, 47, 273-295.	1.7	185
17	Interpretaci3n del antibiograma en la elecci3n del antibi3tico y vAa de administraci3n. <i>Revista Clinica Espanola</i> , 2003, 203, 608-611.	0.2	2
20	Extended Spectrum $\hat{2}$ -Lactamase (ESBL)-Producing Enterobacteriaceae. <i>Drugs</i> , 2003, 63, 353-365.	4.9	293
21	Extended-spectrum $\hat{2}$ -lactamase types in <i>Klebsiella pneumoniae</i> and <i>Escherichia coli</i> in two Greek hospitals. <i>International Journal of Antimicrobial Agents</i> , 2003, 21, 285-288.	1.1	53
22	The occurrence of the first two CTX-M-3 and TEM-1 producing isolates of <i>Salmonella enterica</i> serovar Oranienburg in Poland. <i>International Journal of Antimicrobial Agents</i> , 2003, 21, 497-499.	1.1	24

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24	Extended-spectrum beta-lactamases in <i>Enterobacter cloacae</i> : underestimated but clinically significant!. <i>Journal of Antimicrobial Chemotherapy</i> , 2003, 51, 1316-1317.	1.3	12
25	Antimicrobials: Modes of Action and Mechanisms of Resistance. <i>International Journal of Toxicology</i> , 2003, 22, 135-143.	0.6	148
26	Comparison of BDPhoenix and VITEK2 automated antimicrobial susceptibility test systems for extended-spectrum beta-lactamase detection in <i>Escherichia coli</i> and <i>Klebsiella</i> species clinical isolates. <i>Diagnostic Microbiology and Infectious Disease</i> , 2003, 45, 29-34.	0.8	44
27	Extended-Spectrum \hat{I}^2 -Lactamases in <i>Klebsiella pneumoniae</i> Bloodstream Isolates from Seven Countries: Dominance and Widespread Prevalence of SHV- and CTX-M-Type \hat{I}^2 -Lactamases. <i>Antimicrobial Agents and Chemotherapy</i> , 2003, 47, 3554-3560.	1.4	325
28	Potential Transition State Analogue Inhibitors for the Penicillin-Binding Proteins. <i>Biochemistry</i> , 2003, 42, 579-588.	1.2	47
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31	aph(3 \hat{a})-IIb, a Gene Encoding an Aminoglycoside-Modifying Enzyme, Is under the Positive Control of Surrogate Regulator HpaA. <i>Antimicrobial Agents and Chemotherapy</i> , 2003, 47, 3867-3876.	1.4	37
32	Outer membrane protein alterations and blaTEM-1 variants: their role in \hat{A} -lactam resistance in <i>Klebsiella pneumoniae</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2003, 52, 899-903.	1.3	24
34	Evaluation of Oxoid combination discs for detection of extended-spectrum \hat{A} -lactamases. <i>Journal of Antimicrobial Chemotherapy</i> , 2003, 52, 591-597.	1.3	45
35	First isolation of CTX-M15-producing <i>Escherichia coli</i> from two French patients. <i>Journal of Antimicrobial Chemotherapy</i> , 2003, 51, 471-473.	1.3	11
36	Multiple CTX-M-Type Extended-Spectrum \hat{I}^2 -Lactamases in Nosocomial Isolates of Enterobacteriaceae from a Hospital in Northern Italy. <i>Journal of Clinical Microbiology</i> , 2003, 41, 4264-4269.	1.8	201
37	Prevalence of Extended-Spectrum \hat{I}^2 -Lactamase-Producing <i>Enterobacter cloacae</i> in the Asia-Pacific Region: Results from the SENTRY Antimicrobial Surveillance Program, 1998 to 2001. <i>Antimicrobial Agents and Chemotherapy</i> , 2003, 47, 3989-3993.	1.4	40
38	Discovery of CTX-M-Like Extended-Spectrum \hat{I}^2 -Lactamases in <i>Escherichia coli</i> Isolates from Five U.S. States. <i>Antimicrobial Agents and Chemotherapy</i> , 2003, 47, 2382-2383.	1.4	85
39	Extended-Spectrum \hat{I}^2 -Lactamases in Ireland, Including a Novel Enzyme, TEM-102. <i>Antimicrobial Agents and Chemotherapy</i> , 2003, 47, 2572-2578.	1.4	15
40	Nosocomial Outbreak of Infections by <i>Proteus mirabilis</i> That Produces Extended-Spectrum CTX-M-2 Type \hat{I}^2 -Lactamase. <i>Journal of Clinical Microbiology</i> , 2003, 41, 5530-5536.	1.8	53
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43	Evaluation of the NCCLS Extended-Spectrum β -Lactamase Confirmation Methods for <i>Escherichia coli</i> with Isolates Collected during Project ICARE. <i>Journal of Clinical Microbiology</i> , 2003, 41, 3142-3146.	1.8	59
44	β -Lactamase Characterization in <i>Escherichia coli</i> isolates with Diminished Susceptibility or Resistance to Extended-Spectrum Cephalosporins Recovered from Sick Animals in Spain. <i>Microbial Drug Resistance</i> , 2003, 9, 201-209.	0.9	38
45	Occurrence and Phenotypic Characteristics of Extended-Spectrum β -Lactamases among Members of the Family Enterobacteriaceae at the Tel-Aviv Medical Center (Israel) and Evaluation of Diagnostic Tests. <i>Journal of Clinical Microbiology</i> , 2003, 41, 155-158.	1.8	49
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47	Complex Endemic Situation Regarding Extended-Spectrum β -Lactamase-Producing <i>Klebsiella pneumoniae</i> in a Hospital in Slovenia. <i>Microbial Drug Resistance</i> , 2003, 9, 25-33.	0.9	34
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49	Patterns of Resistance Associated with Integrons, the Extended-Spectrum β -Lactamase SHV-5 Gene, and a Multidrug Efflux Pump of <i>Klebsiella pneumoniae</i> Causing a Nosocomial Outbreak. <i>Journal of Clinical Microbiology</i> , 2003, 41, 1161-1166.	1.8	56
50	CTX-M-3 Extended-spectrum β -lactamase in a <i>Shigella sonnei</i> Clinical Isolate: First Report from Turkey. <i>Scandinavian Journal of Infectious Diseases</i> , 2003, 35, 503-505.	1.5	35
52	Recent developments in β lactamases and extended spectrum β lactamases. <i>BMJ: British Medical Journal</i> , 2003, 327, 1209-1213.	2.4	85
53	Synthesis and Biological Activity of AM-112 and Related Oxapenem Analogues. <i>Journal of Antibiotics</i> , 2003, 56, 838-847.	1.0	10
54	β -Lactamases: A Survey of Protein Diversity. <i>Current Drug Targets Infectious Disorders</i> , 2003, 3, 9-23.	2.1	75
55	Cephalosporin-resistant <i>Escherichia coli</i> among Summer Camp Attendees with Salmonellosis. <i>Emerging Infectious Diseases</i> , 2003, 9, 1273-1280.	2.0	29
56	NmcA Carbapenem-hydrolyzing Enzyme in <i>Enterobacter cloacae</i> in North America I. <i>Emerging Infectious Diseases</i> , 2003, 9, 999-1002.	2.0	43
57	Antimicrobial activity and chemical investigation of Brazilian Drosera. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2004, 99, 753-755.	0.8	17
58	Simultaneous Presence of bla _{TEM} and bla _{SHV} Genes on a Large Conjugative Plasmid Carried by Extended-Spectrum β -Lactamase-Producing <i>Klebsiella pneumoniae</i> . <i>American Journal of the Medical Sciences</i> , 2004, 327, 118-122.	0.4	5
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62	ESBL-producing multidrug-resistant <i>Providencia stuartii</i> infections in a university hospital. <i>Journal of Antimicrobial Chemotherapy</i> , 2004, 53, 277-282.	1.3	68
63	<i>Aeromonas hydrophila</i> with Plasmid-Borne Class A Extended-Spectrum \hat{I}^2 -Lactamase TEM-24 and Three Chromosomal Class B, C, and D \hat{I}^2 -Lactamases, Isolated from a Patient with Necrotizing Fasciitis. <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 2342-2343.	1.4	35
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69	Epidemiological Investigation of Bloodstream Infections by Extended Spectrum Cephalosporin-Resistant <i>Escherichia coli</i> in a Taiwanese Teaching Hospital. <i>Journal of Clinical Microbiology</i> , 2004, 42, 3329-3332.	1.8	17
70	Utility of NCCLS Guidelines for Identifying Extended-Spectrum \hat{I}^2 -Lactamases in Non- <i>Escherichia coli</i> and Non- <i>Klebsiella</i> spp. of Enterobacteriaceae. <i>Journal of Clinical Microbiology</i> , 2004, 42, 294-298.	1.8	45
71	Phenotypic and Molecular Detection of CTX-M- \hat{I}^2 -Lactamases Produced by <i>Escherichia coli</i> and <i>Klebsiella</i> spp. <i>Journal of Clinical Microbiology</i> , 2004, 42, 5715-5721.	1.8	262
72	In vitro activity of AVE1330A, an innovative broad-spectrum non- \hat{A} -lactam \hat{A} -lactamase inhibitor. <i>Journal of Antimicrobial Chemotherapy</i> , 2004, 54, 410-417.	1.3	156
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76	Extended-spectrum \hat{I}^2 -lactamase-mediated third-generation cephalosporin resistance in <i>Shigella</i> isolates in Bangladesh. <i>Journal of Antimicrobial Chemotherapy</i> , 2004, 54, 846-847.	1.3	41
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83	Complete Nucleotide Sequence of a 92-Kilobase Plasmid Harboring the CTX-M-15 Extended-Spectrum Beta-Lactamase Involved in an Outbreak in Long-Term-Care Facilities in Toronto, Canada. <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 3758-3764.	1.4	316
84	Epidemiology and Clinical Features of Bloodstream Infections Caused by AmpC-Type- β -Lactamase-Producing <i>Klebsiella pneumoniae</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 3720-3728.	1.4	162
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86	Complexity of <i>Klebsiella pneumoniae</i> Isolates Resistant to Both Cephamycins and Extended-Spectrum Cephalosporins at a Teaching Hospital in Taiwan. <i>Journal of Clinical Microbiology</i> , 2004, 42, 5337-5340.	1.8	46
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90	Epidemiology of Conjugative Plasmid-Mediated AmpC β -Lactamases in the United States. <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 533-537.	1.4	156
91	Bacteremia Due to <i>Klebsiella pneumoniae</i> Isolates Producing the TEM-52 Extended-Spectrum β -Lactamase: Treatment Outcome of Patients Receiving Imipenem or Ciprofloxacin. <i>Clinical Infectious Diseases</i> , 2004, 38, 243-251.	2.9	105
92	Post-antibiotic and post- β -lactamase inhibitor effects of ceftazidime plus sulbactam on extended-spectrum β -lactamase-producing Gram-negative bacteria. <i>Journal of Antimicrobial Chemotherapy</i> , 2004, 53, 616-619.	1.3	17
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94	Evolutionary mapping of the SHV β -lactamase and evidence for two separate IS26-dependent <i>bla</i> SHV mobilization events from the <i>Klebsiella pneumoniae</i> chromosome. <i>Journal of Antimicrobial Chemotherapy</i> , 2004, 54, 69-75.	1.3	100
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99	Extended-spectrum \hat{I}^2 -lactamase (ESBL) CTX-M-15-producing Escherichia coli and Klebsiella pneumoniae in Sofia, Bulgaria. Clinical Microbiology and Infection, 2004, 10, 752-755.	2.8	21
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101	Novel GES/IBC extended-spectrum \hat{A}^2 -lactamase variants with carbapenemase activity in clinical enterobacteria. FEMS Microbiology Letters, 2004, 234, 209-213.	0.7	75
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105	Realization of \hat{I}^2 -lactamase as a versatile fluorogenic reporter. Trends in Biotechnology, 2004, 22, 208-211.	4.9	42
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107	Expanded-spectrum \hat{I}^2 -lactamase producing Klebsiella pneumoniae-related peritonitis in a patient on peritoneal dialysis. American Journal of Kidney Diseases, 2004, 44, e102-e106.	2.1	5
108	Sequence-Selective Recognition of Extended-Spectrum \hat{I}^2 -Lactamase GES-2 by a Competitive, Peptide Nucleic Acid-Based Multiplex PCR Assay. Antimicrobial Agents and Chemotherapy, 2004, 48, 3402-3406.	1.4	13
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111	Impairment of Respiratory Burst in Polymorphonuclear Leukocytes by Extended-Spectrum Beta-Lactamase-Producing Strains of Klebsiella pneumoniae. European Journal of Clinical Microbiology and Infectious Diseases, 2004, 23, 20-26.	1.3	20
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113	Kirby-Bauer disc approximation to detect inducible third-generation cephalosporin resistance in Enterobacteriaceae. Annals of Clinical Microbiology and Antimicrobials, 2004, 3, 13.	1.7	19
114	Endemic occurrence of infections by multidrug-resistant Escherichia coli of four unique serotypes in the elderly population of Israel. FEMS Microbiology Letters, 2004, 239, 249-254.	0.7	11
115	Antibiotic Therapy for Klebsiella pneumoniae Bacteremia: Implications of Production of Extended-Spectrum \hat{A}^2 -Lactamases. Clinical Infectious Diseases, 2004, 39, 31-37.	2.9	512

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116	Growing Group of Extended-Spectrum \hat{I}^2 -Lactamases: the CTX-M Enzymes. <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 1-14.	1.4	1,298
117	Epidemiology and Clinical Features of Infections Caused by Extended-Spectrum Beta-Lactamase-Producing <i>Escherichia coli</i> in Nonhospitalized Patients. <i>Journal of Clinical Microbiology</i> , 2004, 42, 1089-1094.	1.8	395
118	Dramatic Increase in Prevalence of Fecal Carriage of Extended-Spectrum \hat{I}^2 -Lactamase-Producing Enterobacteriaceae during Nonoutbreak Situations in Spain. <i>Journal of Clinical Microbiology</i> , 2004, 42, 4769-4775.	1.8	290
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120	Involvement of SHV-12 and SHV-2a Encoding Plasmids in Outbreaks of Extended-Spectrum \hat{I}^2 -Lactamase-Producing <i>Klebsiella pneumoniae</i> in a Tunisian Neonatal Ward. <i>Microbial Drug Resistance</i> , 2004, 10, 132-138.	0.9	34
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122	Co-Carriage Rates of Vancomycin-Resistant <i>Enterococcus</i> and Extended-Spectrum Beta-Lactamase-Producing Bacteria Among a Cohort of Intensive Care Unit Patients: Implications for an Active Surveillance Program. <i>Infection Control and Hospital Epidemiology</i> , 2004, 25, 105-108.	1.0	71
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1325	<p>In vitro effect of fosfomycin on multi-drug resistant gram-negative bacteria causing urinary tract infections</p>. <i>Infection and Drug Resistance</i> , 2019, Volume 12, 2005-2013.	1.1	20
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