

Resistance, germination, and permeability correlates of successively divested of integument layers

Journal of Bacteriology

159, 624-632

DOI: [10.1128/jb.159.2.624-632.1984](https://doi.org/10.1128/jb.159.2.624-632.1984)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Collapse of Cortex Expansion during Germination of <i>Bacillus megaterium</i> Spores. <i>Microbiology and Immunology</i> , 1985, 29, 689-699.	1.4	15
2	Germination of the Decoated Spores of <i>Bacillus megaterium</i> . <i>Microbiology and Immunology</i> , 1985, 29, 1139-1149.	1.4	9
3	Thermal resistance variations due to post-harvest treatments in <i>Bacillus subtilis</i> spores. <i>Journal of Applied Bacteriology</i> , 1985, 59, 555-560.	1.1	7
4	Appearance of Uridine 5'-Diphospho-N-Acetylglucosamine Epimerase during Sporulation of <i>Bacillus megaterium</i> . <i>Microbiology and Immunology</i> , 1986, 30, 1085-1093.	1.4	3
5	Isolation and Characterization of Forespores from <i>Bacillus megaterium</i> . <i>Microbiology and Immunology</i> , 1987, 31, 101-111.	1.4	1
6	17kDa Spore Coat Protein Antigen in Sporulating Cells of <i>Bacillus megaterium</i> ATCC 19213. <i>Microbiology and Immunology</i> , 1987, 31, 597-601.	1.4	0
7	Permeability of gentamicin into the inside of <i>Bacillus subtilis</i> spores. <i>FEMS Microbiology Letters</i> , 1988, 50, 137-140.	1.8	4
8	Isolation and Characterization of Outermost Layer Deficient Mutant Spores of <i>Bacillus megaterium</i> . <i>Microbiology and Immunology</i> , 1988, 32, 973-979.	1.4	7
9	Presence of Proteins Derived from the Vegetative Cell Membrane in the Dormant Spore Coat of <i>Bacillus subtilis</i> . <i>Microbiology and Immunology</i> , 1989, 33, 391-401.	1.4	10
10	Surface Hydrophobicity of Spores of <i>Bacillus</i> spp.. <i>Microbiology (United Kingdom)</i> , 1989, 135, 2717-2722.	1.8	46
11	Permeability of Gentamicin and Polymyxin B into the Inside of <i>Bacillus subtilis</i> Spores. <i>Microbiology and Immunology</i> , 1990, 34, 1013-1023.	1.4	6
12	Permeability of dormant spores of <i>Bacillus subtilis</i> to malachite green and crystal violet. <i>Journal of General Microbiology</i> , 1991, 137, 607-613.	2.3	9
13	Involvement of Calcium in Germination of Coat-Modified Spores of <i>Bacillus cereus</i> T. <i>Microbiology and Immunology</i> , 1992, 36, 935-946.	1.4	8
14	Biochemical defects of outermost layer deficient mutants during sporulation of <i>Bacillus megaterium</i> . <i>Canadian Journal of Microbiology</i> , 1992, 38, 354-357.	1.7	0
15	Heat killing of bacterial spores analyzed by differential scanning calorimetry. <i>Journal of Bacteriology</i> , 1992, 174, 4463-4474.	2.2	64
16	IMMUNOCYTOCHEMICAL LOCALIZATION OF ANTIGENS IN <i>B. CEREUS</i> T SPORES. <i>Journal of Rapid Methods and Automation in Microbiology</i> , 1993, 2, 229-233.	0.4	2
17	Effect of Organic Acids on the Swelling of <i>Bacillus subtilis</i> Spores During Germination.. <i>Nippon Suisan Gakkaishi</i> , 1993, 59, 847-850.	0.1	1
18	Role of Calcium in Biphasic Germination of <i>Bacillus cereus</i> T Spores Sensitized to Lysozyme. <i>Microbiology and Immunology</i> , 1993, 37, 187-194.	1.4	7

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19	The <i>Bacillus subtilis</i> <i>dacB</i> gene, encoding penicillin-binding protein 5*, is part of a three-gene operon required for proper spore cortex synthesis and spore core dehydration. <i>Journal of Bacteriology</i> , 1995, 177, 4721-4729.	2.2	84
20	Roles of Low-Molecular-Weight Penicillin-Binding Proteins in <i>Bacillus subtilis</i> Spore Peptidoglycan Synthesis and Spore Properties. <i>Journal of Bacteriology</i> , 1999, 181, 126-132.	2.2	81
21	<i>Bacillus subtilis</i> Spore Coat. <i>Microbiology and Molecular Biology Reviews</i> , 1999, 63, 1-20.	6.6	468
22	Role of the Spore Coat Layers in <i>Bacillus subtilis</i> Spore Resistance to Hydrogen Peroxide, Artificial UV-C, UV-B, and Solar UV Radiation. <i>Applied and Environmental Microbiology</i> , 2000, 66, 620-626.	3.1	251
23	Mutations in the <i>gerP</i> Locus of <i>Bacillus subtilis</i> and <i>Bacillus cereus</i> Affect Access of Germinants to Their Targets in Spores. <i>Journal of Bacteriology</i> , 2000, 182, 1987-1994.	2.2	91
24	Localization of a Germinant Receptor Protein (<i>GerBA</i>) to the Inner Membrane of <i>Bacillus subtilis</i> Spores. <i>Journal of Bacteriology</i> , 2001, 183, 3982-3990.	2.2	131
25	Specialized peptidoglycan of the bacterial endospore: the inner wall of the lockbox. <i>Cellular and Molecular Life Sciences</i> , 2002, 59, 426-433.	5.4	114
26	Photodynamic Inactivation of <i>Bacillus</i> Spores, Mediated by Phenothiazinium Dyes. <i>Applied and Environmental Microbiology</i> , 2005, 71, 6918-6925.	3.1	89
27	Glassy state in <i>Bacillus subtilis</i> spores analyzed by differential scanning calorimetry. <i>International Journal of Food Microbiology</i> , 2006, 106, 286-290.	4.7	13
28	Use of the fluorescent probe LAURDAN to label and measure inner membrane fluidity of endospores of <i>Clostridium</i> spp.. <i>Journal of Microbiological Methods</i> , 2012, 91, 93-100.	1.6	23
29	The catalytic domain of the germination-specific lytic transglycosylase <i>SleB</i> from <i>Bacillus anthracis</i> displays a unique active site topology. <i>Proteins: Structure, Function and Bioinformatics</i> , 2012, 80, 2469-2475.	2.6	25
30	Spore formation in <i>Bacillus subtilis</i> . <i>Environmental Microbiology Reports</i> , 2014, 6, 212-225.	2.4	285
31	Spore Peptidoglycan. <i>Microbiology Spectrum</i> , 2015, 3, .	3.0	51
32	The Exosporium of <i>Bacillus megaterium</i> QM B1551 Is Permeable to the Red Fluorescence Protein of the Coral <i>Discosoma</i> sp.. <i>Frontiers in Microbiology</i> , 2016, 7, 1752.	3.5	14
33	Characterization of <i>Clostridium difficile</i> Spores Lacking Either <i>SpoVAC</i> or <i>Dipicolinic Acid Synthetase</i> . <i>Journal of Bacteriology</i> , 2016, 198, 1694-1707.	2.2	58
34	Localization of a red fluorescence protein adsorbed on wild type and mutant spores of <i>Bacillus subtilis</i> . <i>Microbial Cell Factories</i> , 2016, 15, 153.	4.0	20
35	Water and Small-Molecule Permeation of Dormant <i>Bacillus subtilis</i> Spores. <i>Journal of Bacteriology</i> , 2016, 198, 168-177.	2.2	35
36	Display of the peroxiredoxin <i>Bcp1</i> of <i>Sulfolobus solfataricus</i> on probiotic spores of <i>Bacillus megaterium</i> . <i>New Biotechnology</i> , 2018, 46, 38-44.	4.4	9

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38	Orthologues of <i>Bacillus subtilis</i> Spore Crust Proteins Have a Structural Role in the <i>Bacillus megaterium</i> QM B1551 Spore Exosporium. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	9
39	Identification of L-Valine-initiated-germination-active genes in <i>Bacillus subtilis</i> using Tn-seq. <i>PLoS ONE</i> , 2019, 14, e0218220.	2.5	11
40	Killing of spores of <i>Bacillus</i> species by cetyltrimethylammonium bromide. <i>Journal of Applied Microbiology</i> , 2019, 126, 1391-1401.	3.1	12
41	Membrane Proteomes and Ion Transporters in <i>Bacillus anthracis</i> and <i>Bacillus subtilis</i> Dormant and Germinating Spores. <i>Journal of Bacteriology</i> , 2019, 201, .	2.2	11
42	Spore Peptidoglycan. , 0, , 157-177.		4
43	Spore heat resistance and specific mineralization. <i>Applied and Environmental Microbiology</i> , 1985, 50, 1414-1421.	3.1	87
44	Involvement of the spore coat in germination of <i>Bacillus cereus</i> T spores. <i>Applied and Environmental Microbiology</i> , 1987, 53, 47-52.	3.1	34
45	Heat shock affects permeability and resistance of <i>Bacillus stearothermophilus</i> spores. <i>Applied and Environmental Microbiology</i> , 1988, 54, 2515-2520.	3.1	41
46	Heat Resistance Correlated with DNA Content in <i>Bacillus megaterium</i> Spores. <i>Applied and Environmental Microbiology</i> , 1990, 56, 2919-2921.	3.1	8
47	Heat, hydrogen peroxide, and UV resistance of <i>Bacillus subtilis</i> spores with increased core water content and with or without major DNA-binding proteins. <i>Applied and Environmental Microbiology</i> , 1995, 61, 3633-3638.	3.1	121
48	Protoplast dehydration correlated with heat resistance of bacterial spores. <i>Journal of Bacteriology</i> , 1985, 162, 571-578.	2.2	56
49	Ultrastructural localization of dipicolinic acid in dormant spores of <i>Bacillus subtilis</i> by immunoelectron microscopy with colloidal gold particles. <i>Journal of Bacteriology</i> , 1985, 162, 1250-1254.	2.2	26
50	Protoplast water content of bacterial spores determined by buoyant density sedimentation. <i>Journal of Bacteriology</i> , 1985, 163, 735-737.	2.2	65
51	Correlation of penicillin-binding protein composition with different functions of two membranes in <i>Bacillus subtilis</i> forespores. <i>Journal of Bacteriology</i> , 1986, 165, 498-503.	2.2	37
52	Characterization and mapping of <i>Bacillus subtilis gerD</i> mutants.. <i>Journal of General and Applied Microbiology</i> , 1986, 32, 303-315.	0.7	10
53	Handling Technique of Spore-forming Bacteria in Radiation Sterilization(I) Preparation of spores.. <i>Radioisotopes</i> , 1994, 43, 710-717.	0.2	2
64	New Thoughts on an Old Topic: Secrets of Bacterial Spore Resistance Slowly Being Revealed. <i>Microbiology and Molecular Biology Reviews</i> , 2023, 87, .	6.6	15