About Us

Resources

Buy Now

Search

Applications

Microbe Products

Services

Q

SHARE

Support

Careers

47076 TM

Microbe Products > Applications > Molecular Biology > 47076

Cell Products

Escherichia coli (Migula) Castellani and

Chalmers

M DOWNLOAD GENOME LEARN ABOUT THE ATCC GENOME PORTAL >

Escherichia coli strain MG165 is a host strain with well-characterized restriction maps for Notl, Sfil, Xbal, and Blnl. This bacterial strain can be used as a molecular size

marker for pulsed-field gel electrophoresis.

96/100
Bioz Stars
413 Product Citations **Product category** Bacteria

Enterobacteriaceae, Escherichia Classification **Strain designation** MG1655 **Type strain** No

Genome sequenced Yes strain

Molecular biology **Applications** Food production research

Product format Frozen **Storage conditions** -80°C or colder

BSL 1

SEE ADDITIONAL PRODUCT INFORMATION >

Price: \$388.00 EA Discounts may be available for our fellow nonprofit organizations. Login to see your price. Generally ships within 1-3 business days Quantity ADD TO CART ADD TO LIST **Documentation** Product sheet (≡) Certificate of

analysis

sheet

Read more about safety information about this product

DETAILED PRODUCT PERMITS & REFERENCES INFORMATION RESTRICTIONS Detailed product information + EXPAND ALL

Handling information

Permits & Restrictions Import Permit for the State of Hawaii If shipping to the U.S. state of Hawaii, you must provide either an import permit or documentation stating that an import permit is not required. We

MORE INFORMATION ABOUT PERMITS AND RESTRICTIONS >

References

Burland V, et al. DNA sequence and analysis of 136 kilobases of the Escherichia coli genome: organizational symmetry around the origin of replication. Genomics 16: 551-561, 1993. PubMed: 7686882

Blattner FR. Analysis of the Escherichia coli genome. IV. DNA sequence of the region from 89.2 to 92.8 minutes. Nucleic Acids Res. 21: 5408-5417, 1993.

Dicker IB. Cloning and nucleotide sequence of the firA gene and the firA200(Ts) allele from Escherichia coli. J. Bacteriol. 173: 334-344, 1991. PubMed: 1987124

143 IMAGES

Journals ▼

VIEW ALL CURATED CITATIONS FOR THIS PRODUCT >

Dates -

Screening canine sources for novel antimicrobials reveals the circular broad-spectrum bacteriocin, caledonicin, produced by Staphylococcus caledonicus

anaerobic/aerobic, 37°C.. Escherichia coli K12 MG1655 (ATCC 47076), LB,

30°C.Pseudomonas aeruginosa PA01, BHI, aerobic, 30°C." More... | Share Article <

"Bacterial indicator strains and their growth conditions used in this study." More...

Escherichia coli 47076, ATCC, MG1655.. Bifidobacterium adolescentis, German

adolescentis .." *More*... | Share Article **◄**

Collection of Microorganisms and Cell Cultures GmbH, DSM20083.Bifidobacterium

Staphylococcus epidermidis ATCC 12228, 1, , , , ... Escherichia coli ATCC 23501, 1,

sample had a minimum coverage of more than 30x. Each sample had a minimum .."

"Six replicate populations of E. coli, founded from a single clone, were evolved" More...

"A list of microorganisms within each research article. Names are listed as described ... "

Staphylococcus epidermidis NCTC 11047, 1, ..." *More...* | Share Article <

anaerobic/aerobic, 37°C.. Pseudomonas aeruginosa PA01, BHI, aerobic,

Show Supplementary Data

Microbiological research | 2024 Jun 22 | PubMed ID: 38954992 | Read Article 🗗

413 CITATIONS

Impact Factor ▼

Michelle O'Connor, Paula M. O'Connor, ..., R. Paul Ross Frontiers in Microbiology | 2024 Aug 26 | Read Article 🗷 **Article Snippet** ".. coli ETEC F18ab, LB, anaerobic/aerobic, 37°C. Escherichia coli ETEC F18ab, LB,

Authors ▼

Giulia Bernabè, Ignazio Castagliuolo, ..., Paola Brun

us11999983 | 2024 Jun 04 | Read Patent 🗗

".. 7 % sheep blood (Becton Dickinson Italia), under anaerobic conditions (GasPak; Becton Dickinson Italia).. Escherichia coli strain MG1655 (Escherichia coli, Migula Castellani and Chalmers 47076™, ATCC) was cultured in LB broth or agar medium at 37°C under aerobic conditions.. Lactobacillus crispatus was cultured in Lactobacilli MRS broth or agar at 37_°C, 95 % .." *More*... | Share Article **<**

".. Escherichia bacteria. The species Escherichia coli (E. coli) is a particular example of Escherichia bacteria. Specific examples of E. coli include E. coli K-12 strain, which is a

prototype wild-type strain, such as E. coli W3110 (ATCC 27325), E. coli MG1655 (ATCC 47076), and so forth.. Examples of the Enterobacter bacteria include Enterobacter

Table Legend

Shiloh R. Lueschow-Guijosa, Amy H. Stanford, ..., Steven J. McElroy iScience | 2024 May 15 | Read Article 🗗 1x • Q Article Snippet ".. pneumoniae 10031, ATCC, PCI 602. Klebsiella pneumoniae 10031, ATCC, PCI 602..

Host defense peptides human β defensin 2 and LL-37 ameliorate murine necrotizing enterocolitis

Patent Method for producing basic L-amino acids or salts thereof by fermentation of an

Mikhail Kharisovich Ziyatdinov, Yulia Georgievna Rostova, ..., Andrei Viacheslavovich Kniazev

agglomerans, Enterobacter aerogenes, and so forth. Examples of ... " More... | Share Patent <₹

Insoluble polysaccharides produced in plant cell cultures protect from Clostridioides difficile colitis.

Patent Method for producing target substance by bacterial fermentation Ekaterina Andrianova, Maria Kharchenko, ..., Mikhail Shupletsov us11965198 | 2024 Apr 23 | Read Patent 🗗

agglomerans, Enterobacter aerogenes, and so forth. Examples of ... " More... | Share Patent < €

response to low-level antibiotic combinations under climate change remains unclear" More... | Share Article <

Climate warming promotes collateral antibiotic resistance development in cyanobacteria. Zhiyuan Wang, Qiuwen Chen, ..., Dandan Yan Water research | 2024 Apr 18 | PubMed ID: 38657307 | Read Article 🗗 "Abstract: Both cyanobacterial blooms and antibiotic resistance have aggravated worldwide and posed a great threat to public health in recent years. As a significant

Critical analysis of methods to determine growth, control and analysis of biofilms for potential non-submerged antibiofilm surfaces and coatings J. Redfern, A.J. Cunliffe, ..., J. Verran Biofilm | 2024 Feb 27 | Read Article 🗗 1x - Q Article Snippet ".. coli 10536, 1, Staphylococcus epidermidis, 1, , , , .. Escherichia coli 47076, 1,

Table Legend

More... | Share Article **◄**

Figure Legend

More...

source and reservoir of water environmental resistome, cyanobacteria exhibit confusing discrepancy between their reduced susceptibility and their chronic exposure to antibiotic mixtures at sub-inhibitory concentrations. How the increasing temperature affects the adaptive evolution of cyanobacteria-associated antibiotic resistance in

".. coli) is a particular example. The species Escherichia coli (E. coli) is a particular example. Specific examples of E. coli include E. coli K-12 strain, which is a prototype

wild-type strain, such as E. coli W3110 (ATCC 27325), E. coli MG1655 (ATCC 47076), and so forth.. Examples of the Enterobacter bacteria include Enterobacter

1x • Q Article Snippet "PrePrint: .. report of fastq files, sequences were trimmed to retain only high-quality sequences for analysis.. The adapter trimmed reads were aligned to the reference genome, Escherichia coli (ATCC 47076) using Burrows Wheeler Aligner (BWA).. Each

Structure of the siphophage neck-Tail complex suggests that conserved tail tip proteins facilitate receptor binding and tail assembly. Hao Xiao, Le Tan, ..., Hongrong Liu

Patent Expression cassette

Masahiro Murakami

Powered by Bioz

Microbe Products

VIEW ALL RESOURCES >

We are ready to help

Order support

Resources

Technical support

Related Resources

Discover the ATCC Genome Portal Food Production Research

Reproducibility Report

Repairing Reproducibility

Back to the Lab

"E. coli strain MG1655 (American Type Culture Collection ID 47076) was grown in Luria-Bertani Broth (tryptone, 10 g; yeast extract, 5 g; and NaCl, 10 g/L) for 24 h at 37°C.. The cultured strain was recultured at 37°C for 4 h. During the logarithmic growth ..." More... | Share Article

◄ \leftarrow 1/42 \rightarrow

How Does ISO 17025 Accreditation Build

International Confidence?

Blood-borne Diseases

Extremophiles

9:00am - 5:00pm

US Eastern Time

Message Us

Send us a message



Policies

Privacy policy

Terms of sale

Trademarks

Terms of services

Website Terms of Use

Product use policies

Products and Services

New products

Cell products

Services

Quality Accreditations

Microbe products

Federal solutions

Make a deposit



About us

Newsroom

Contact us

Monday - Friday

Follow Us

in

Career opportunities Keep up to date with our events, news, and more. Enter your email to sign up.

X

Enter your email

SIGN UP

blei resources SUPPORTING INFECTIOUS DISEASE RESEARCH

ISO 9001

ISO 13485 ISO 17025

© ATCC 2024. All rights reserved. ISO 17034

Feedback

csv Export ▼

Sort by ▼

Adaptive and pleiotropic effects of evolution in synonymous sugar environments Ahlawat Neetika, Venkataraman Pavithra, ..., Saini Supreet bioRxiv | 2024 Jan 30 | Read Article 🗗

■ Melibiose evolved ▲ Lactose evolved

Escherichia coli DH5z 3 Staphylococcus aureus 9 Candida albicans 2 Aspergillus niger 1
ATCC 25923 SC314 CECT 2388

us11851684 | 2023 Dec 26 | Read Patent 🗗 ".. BL21 (DE3) (Life Technologies), Escherichia coli BLR (DE3) (Merck Millipore), Escherichia coli DH1, Escherichia coli GI698, Escherichia coli HB101, Escherichia coli JM109, Escherichia coli K5 (ATCC 23506), Escherichia coli KY3276, Escherichia coli MC1000, Escherichia coli MG1655 (ATCC 47076), Escherichia coli No. 49, Escherichia coli Rosetta (DE3) (Novagen), Escherichia coli TB1, Escherichia coli Tuner (Novagen), Escherichia coli Tuner (DE3) (Novagen), Escherichia coli W1485, Escherichia coli W3110 (ATCC 27325), .." *More*... | Share Patent **<** € PLoS biology | 2023 Dec 16 | PubMed ID: 38096144 | Read Article 🗗

For product-related inquiries and issues, contact Technical Service:

Hours of Operation

Upcoming events

Newsletter Signup

General **Characteristics**

Quality control specifications

History Legal disclaimers

cannot ship this item until we receive this documentation. Contact the Hawaii Department of Agriculture (HDOA), Plant Industry Division, Plant Quarantine Branch to determine if an import permit is required.

Curated Citations

PubMed: <u>8265357</u>

Blattner FR, et al. The complete genome sequence of Escherichia coli K-12. Science 277: 1453-1462, 1997. PubMed: 9278503 Daniels DL, et al. Analysis of the Escherichia coli genome: DNA sequence of the region from 84.5 to 86.5 minutes. Science 257: 771-778, 1992. PubMed:

<u>1379743</u>

96/100 Techniques ▼

Show Patents