

**Genomic DNA from Microbial Mock Community A (Even, Low Concentration), v3.1**

**Catalog No. HM-278D**

**For research use only. Not for human use.**

**Contributor:**

Sarah K. Highlander, Associate Professor, Department of Molecular Virology and Microbiology; Baylor College of Medicine, Houston, Texas

**Product Description:**

A genomic DNA mixture from 21 bacterial strains containing equimolar (Even) ribosomal RNA operon counts per organism. The bacterial strains that DNA was extracted from are listed in Table 1.

**Table 1.**

Organism	NCBI Reference Sequence
<i>Acinetobacter baumannii</i> , strain 5377	NC_009085
<i>Actinomyces odontolyticus</i> , strain 1A.21	NZ_DS264586, NZ_DS264585
<i>Bacillus cereus</i> , strain NRS 248	NC_003909
<i>Bacteroides vulgatus</i> , strain ATCC® 8482™	NC_009614
<i>Clostridium beijerinckii</i> , strain NCIMB 8052	NC_009617
<i>Deinococcus radiodurans</i> , strain R1 (smooth)	NC_001263
<i>Enterococcus faecalis</i> , strain OG1RF	NZ_ABPI00000000
<i>Escherichia coli</i> , strain MG1655	NC_000913
<i>Helicobacter pylori</i> , strain 26695	NC_000915
<i>Lactobacillus gasseri</i> , strain 63 AM	NC_008530
<i>Listeria monocytogenes</i> , strain EGDe	NC_003210
<i>Neisseria meningitidis</i> , strain MC58	NC_003112
<i>Porphyromonas gingivalis</i> , strain 2561	NC_010729
<i>Propionibacterium acnes</i> , strain KPA171202	NC_006085
<i>Pseudomonas aeruginosa</i> , strain PAO1-LAC	NC_002516
<i>Rhodobacter sphaeroides</i> , strain ATH 2.4.1	NC_007493, NC_007494
<i>Staphylococcus aureus</i> , strain TCH959	NZ_AASB00000000, NC_010079

Organism	NCBI Reference Sequence
<i>Staphylococcus epidermidis</i> , FDA strain PCI 1200	NC_004461
<i>Streptococcus agalactiae</i> , strain 2603 V/R	NC_004116
<i>Streptococcus mutans</i> , strain UA159	NC_004350
<i>Streptococcus pneumoniae</i> , strain TIGR4	NC_003028

HM-278D has been qualified for PCR applications by amplification of approximately 1500 bp of the 16S ribosomal RNA.

**Material Provided:**

Each vial contains approximately 20 µL of the bacterial genomic DNA mixture suspended in Tris-HCl, pH ~ 7.5. The concentration is shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

**Packaging/Storage:**

HM-278D was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen on ice and should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be minimized.

**Citation:**

Acknowledgment for publications should read “The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH as part of the Human Microbiome Project: Genomic DNA from Microbial Mock Community A (Even, Low Concentration), v3.1, HM-278D.”

**Biosafety Level: 1**

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories. 5th ed. Washington, DC: U.S. Government Printing Office, 2007; see [www.cdc.gov/od/ohs/biosfty/bmb15/bmb15toc.htm](http://www.cdc.gov/od/ohs/biosfty/bmb15/bmb15toc.htm).

**Disclaimers:**

You are authorized to use this product for research use only. It is not intended for human use. Use of this product is subject to the terms and conditions of the BEI Resources Material Transfer Agreement (MTA). The MTA is available on our Web site at [www.beiresources.org](http://www.beiresources.org). While BEI Resources uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC® nor the U.S. Government make any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC® nor the U.S. Government warrants that such information has been

confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, use and disposal. ATCC® and the U.S. Government are not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, the U.S. Government, ATCC®, their suppliers and contributors to BEI Resources are not liable for damages arising from the misidentification or misrepresentation of products.

**Use Restrictions:**

**This material is distributed for internal research, non-commercial purposes only.** This material, its product or its derivatives may not be distributed to third parties. Except as performed under a U.S. Government contract, individuals contemplating commercial use of the material, its products or its derivatives must contact the contributor to determine if a license is required. U.S. Government contractors may need a license before first commercial sale.

ATCC® is a trademark of the American Type Culture Collection.

