**Description**

**Source:** *Clostridium acetobutylicum* McCoy et al. emend. Keis et al.  
**Designation:** Genomic DNA from *Clostridium acetobutylicum* [ATCC® 824™]  
**Description:** Genomic DNA isolated from *Clostridium acetobutylicum*. Deposited as *Granulobacter pectinovorum*. This bacterial strain is also available as ATCC® Catalog No. 824™.  
**Note:** Genomic DNA isolated from bacteria is appropriate for PCR® and other molecular biology applications.  
*The polymerase chain reaction (PCR) process is covered by patents owned by Hoffmann-LaRoche Inc. Use of the PCR process requires a license.*  
**Depositor of Source Strain:** ER Weyer

**Batch-Specific Information**

Refer to the Certificate of Analysis for batch-specific test results.

**Preparation Procedure**

Centrifuge tube prior to opening to prevent loss of pelleted material  
1. Rehydrate contents of vial with molecular grade H₂O.  
2. Place vial at 37°C for 1 hour or at 2°C to 8°C overnight.  
3. For more complete rehydration and to fully recover DNA, incubate the sample overnight at 4°C while rocking; then incubate for 1 hour at 65°C. Resuspending the dried DNA in ≥250 µL may give better results.

**Quality Control Information**

1. Bacterial genomic DNA is provided in a dried form. Store at +2°C to 8°C upon receipt. Store at -20°C if not used in the U.S.  
2. Total DNA by PicoGreen® measurement was found to be approximately 5 µg.  
4. Integrity of DNA was determined by electrophoresis on a 1% agarose gel stained with SYBR Safe™, and was found to be of high molecular weight.  
5. No RNA was detected by electrophoresis.  
6. Functional activity was confirmed by PCR amplification 16S ribosomal RNA gene.  

**Biosafety Level:** 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

**ATCC Warranty**

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

**Disclaimers**

This product is intended for laboratory research purposes only. It is not intended for use in humans.  
While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate.  
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damages arising from the misidentification or misrepresentation of cultures.

Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at www.atcc.org

Additional information on this culture is available on the ATCC web site at www.atcc.org.

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Nucleic Acid Product Sheet

Clostridium acetobutylicum
McCoy et al. emend. Keis et al. (ATCC® 824D-5™)

Please read this FIRST

Biosafety Level

1

Intended Use

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: Clostridium acetobutylicum McCoy et al. emend. Keis et al. (ATCC® 824D-5™)

Nucleic Acid Information

At least 5 µg in 1X TE buffer

OD\textsubscript{260}/OD\textsubscript{280}: 1.6 to 2.0