Mycoplasma hominis
(ATCC® qCRM-27545D™)

Please read this FIRST

Storage Temp.
-70°C or colder

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.

Certified Reference Material produced under an ISO 17034 accredited process.

ANAB
ACREDITED
REFERENCE MATERIAL PRODUCER

Citation of Strain
If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: Mycoplasma hominis (ATCC® qCRM-27545D™)

Nucleic Acid Information
Specification range: 1x10⁶ - 1x10⁷ genome copies/µL

Source: Mycoplasma hominis
Designation: Genomic DNA from Mycoplasma hominis strain [LBD-4]
Description: Quantified genomic DNA isolated from Mycoplasma hominis strain [LBD-4]. Bacterial genomic DNA is provided in 1X TE Buffer (pH 8.0).

Note: This preparation of high molecular weight DNA is appropriate for use in the polymerase chain reaction (PCR)* process and other molecular biology applications.

*The PCR process is covered by patents owned by Hoffmann-La Roche Inc. Use of the PCR process requires a license.

Droplet Digital™ PCR is a trademark of Bio-Rad Laboratories, Inc.

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

Preparation Procedure
1. Thaw the vial at room temperature.
2. Avoid exposing genomic DNA to repeated freeze-thaw cycles. Subjecting genomic DNA to repeated free/thaw cycles may result in degradation of the DNA and variations in copies/µL.

Quality Control Information
1. Genome copy number was determined through the quantification of 16S gene copies using QX100 Droplet Digital™ PCR. Mycoplasma hominis (ATCC 27545) has two copies of the 16S rRNA gene per cell.
2. Purity: OD₂₆₀/OD₂₈₀ ratio
3. Integrity of DNA was determined by electrophoresis on a 1% agarose gel stained with ethidium bromide.
4. Functional activity was confirmed by PCR amplification of the 16S ribosomal RNA gene.
5. Identity was confirmed by sequencing the 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.

This product is sent with the condition that you are responsible for its safe storage, handling, and use. ATCC is not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to insure authenticity and reliability of strains on deposit, ATCC is not liable for 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.
Nucleic Acid Product Sheet

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