ATCC

Nucleic Acid Product Sheet

Human genomic DNA (MCF7) (ATCC® HTB-22D™)

Please read this FIRST

Storage Temp.
-20°C or colder in a manual defrost freezer. Avoid freeze-thawing.

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: Human genomic DNA (MCF7) (ATCC® HTB-22D™)

Nucleic Acid Information

10 µg

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

Description

Source: *Homo sapiens*
Designation: Human genomic DNA (MCF7)
Description: High molecular weight genomic DNA isolated from the MCF-7 human breast carcinoma cell line.
Note:
The MCF7 line retains several characteristics of differentiated mammary epithelium including ability to process estradiol via cytoplasmic estrogen receptors and the capability of forming domes. Contains the Tx-4 oncogene.
Formulation: 1X TE buffer (10 mM Tris-HCL, 1 mM EDTA, pH 8.0)
Concentration: See lot-specific information
Lot Number: See lot-specific information
Cell line description: See lot-specific information

Batch-Specific Information

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

Quality Control Information

> 100 kb in size by agarose gel electrophoresis

No RNA detected in the agarose gel

A_{260}/A_{280} > ratio 1.8

Tested and verified for PCR amplification and restriction digestion.

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.

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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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