



B-3

CRL-3603™

Description

B-3 is a cell with epithelial morphology that was isolated from infant lens tissue. This product is an ATCC manufactured and accessioned progeny of ATCC CRL-11421 cited in US Pat. No. 5,643,782.

Organism: *Homo sapiens*, human

Tissue: Eye; Lens

Age: infant

Morphology: epithelial

Growth properties: Adherent

Storage Conditions

Product format: Frozen

Storage conditions: Vapor phase of liquid nitrogen

Intended Use

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

BSL 2

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies

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and procedures as well as any other applicable regulations as enforced by your local or national agencies.

Cells contain Adenovirus DNA sequences

Cells contain SV40 sequences

ATCC highly recommends that appropriate personal protective equipment is always used when handling vials. For cultures that require storage in liquid nitrogen, it is important to note that some vials may leak when submersed in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vial exploding or blowing off its cap with dangerous force creating flying debris. Unless necessary, ATCC recommends that these cultures be stored in the vapor phase of liquid nitrogen rather than submersed in liquid nitrogen.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Growth Conditions

Temperature: 37°C

Atmosphere: 95% Air, 5% CO₂

Handling Procedures

Unpacking and storage instructions:

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1. Check all containers for leakage or breakage.
2. Remove the frozen cells from the dry ice packaging and immediately place the cells at a temperature below -130°C, preferably in liquid nitrogen vapor, until ready for use.

Complete medium: The base medium for this cell line is ATCC-formulated Eagle's Minimum Essential Medium (ATCC 30-2003). To make the complete growth medium, add the following components to the base medium: fetal bovine serum (FBS; ATCC 30-2020) to a final concentration of 20%.

Subculturing procedure:

These cells are very sensitive to trypsin-EDTA.

1. Quickly rinse (less than 30 seconds) the cell layer with 0.25% (w/v) Trypsin-0.53 mM EDTA solution to remove all traces of serum, which contains trypsin inhibitor.
2. Remove and add additional Trypsin-EDTA solution to flask.
3. Incubate at room temperature for 60 seconds or less.
4. Immediately add complete growth medium and aspirate cells by gently pipetting.
5. Dispense into new culture flasks.

Subcultivation Ratio: A subcultivation ratio of 1:2 to 1:3 is recommended

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: B-3 (ATCC CRL-3603)

References

References and other information relating to this material are available at www.atcc.org.

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