OAT1 HEK 293T/17

CRL-11268G-1™

Description

Organism: *Homo sapiens*, human
Tissue: kidney
Age: fetus
Gender: Female
Morphology: epithelial
Growth properties: Adherent
Disease: Normal
Cells per vial: ≥ 1.0 x 10^6
Volume: 1.0 mL

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

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% CO_2

Handling Procedures

Unpacking and storage instructions:

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: DMEM (ATCC 30-2002), 10% FBS (ATCC 30-2020), 3µg/mL Blasticidin (Life Technologies A11139-03)

Handling Procedure:

To insure the highest level of viability, thaw the vial and initiate the culture as soon as possible upon receipt. If upon arrival, continued storage of the frozen culture is necessary, it should be stored in liquid nitrogen vapor phase and not at -70°C. Storage at -70°C will result in loss of viability.

1. Thaw the vial by gentle agitation in a 37°C water bath. To reduce the possibility of contamination, keep the O-ring and cap out of the water. Thawing should be rapid (approximately 2 minutes).
2. Remove the vial from the water bath as soon as the contents are thawed, and decontaminate by dipping in or spraying with 70% ethanol. All of the operations from this point on should be carried out under strict aseptic conditions.
3. Transfer the vial contents to a centrifuge tube containing 9.0 mL complete culture medium and spin at approximately 125 x *g* for 5 to 10 minutes.
4. Resuspend the cell pellet with the recommended complete medium (see the specific batch information for the culture recommended dilution ratio) and dispense into a 25 cm^2 or a 75 cm^2 culture flask. It is important to avoid excessive alkalinity of the medium during recovery of the cells. It is suggested that, prior to the addition of the vial contents, the culture vessel containing the complete growth medium be placed into the incubator for at least 15 minutes to allow the medium to reach its normal pH (7.0 to 7.6).
5. Incubate the culture at 37°C in a suitable incubator. A 5% CO_2 in air atmosphere is recommended if using the medium described on this product.

Subculturing procedure:

Volumes used in this protocol are for 75 cm^2 flasks; proportionally reduce or increase amount of dissociation solutions for culture vessels of other sizes.

1. Remove and discard spent medium.
2. Briefly rinse with dPBS (ATCC 30-2200), 1 mL per 25 cm^2 and discard rinse

solution.

3. Add 0.25% trypsin (ATCC 30-2101), 1mL per 25 cm^2. Place at 37°C for 2-3 minutes, until 90% of the cells have detached.
4. Rapt flask gently to ensure cells are detached. Add complete growth media, 1 mL per 25 cm^2 to neutralize trypsin.
5. Centrifuge cells at 200 x g for 5 min at room temperature.
6. Remove supernatant. Resuspend pellet in 5 to 10 mL Complete Growth Medium.
7. Count cells, and seed 5.0 x 10^3 to 8.0 x 10^3 viable cells/cm^2 to new culture vessels.

Subculture every 2-3 days at 8000 cells/cm^2

Reagents for cryopreservation: Serum Free Cell Freezing Media (ATCC 30-2600)

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: OAT1 HEK 293T/17 (ATCC CRL-11268G-1)

References

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

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