Please read this FIRST

Storage Temp.
liquid nitrogen
vapor phase

Biosafety Level
2

Organism: Bos taurus, cow
Tissue: uterus, endometrium
Disease: normal
Age: adult, day 14 of estrous cycle
Gender: female
Morphology: epithelial
Growth Properties: adherent

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

SAFETY PRECAUTION
ATCC highly recommends that protective gloves and clothing always be used and a full face mask always be worn when handling frozen vials. It is important to note that some vials 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 vessel exploding or blowing off its cap with dangerous force creating flying debris.

Citation of Strain
If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: BEND (ATCC® CRL-2398™)

Unpacking & 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.

Handling Procedure for Frozen Cells
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 until ready for use.

Handling Procedure for Flask Cultures

The flask was seeded with cells (see specific batch information), grown, and completely filled with medium at ATCC to prevent loss of cells during shipping.

1. Upon receipt visually examine the culture for macroscopic evidence of any microbial contamination. Using an inverted microscope (preferably equipped with phase-contrast optics), carefully check for any evidence of microbial contamination. Also check to determine if the majority of cells are still attached to the bottom of the flask; during shipping the cultures are sometimes handled roughly and many of the cells often detach and become suspended in the culture medium (but are still viable).
2. If the cells are still attached, aseptically remove all but 5 to 10 mL of the shipping medium. The shipping medium can be saved for reuse. Incubate the cells at 37°C in a 5% CO₂ in air atmosphere until they are ready to be subcultured.
3. If the cells are not attached, aseptically remove the entire contents of the flask and centrifuge at 125 x g for 5 to 10 minutes. Remove shipping medium and save. Resuspend the pelleted cells in 10 mL of this medium and add to 25 cm² flask. Incubate at 37°C in a 5% CO₂ in air atmosphere until cells are.
Please read this FIRST

Storage Temp.
liquid nitrogen
vapor phase

Biosafety Level

Biosafety Level: 2

Intended Use

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

Complete Growth Medium

1:1 mixture of Ham's F12 and Eagle's Minimal Essential medium with Earle's BSS (D-valine modification) with 1.5 mM L-glutamine adjusted to contain 1.5 g/L sodium bicarbonate supplemented with 0.034 g/L D-valine, 10% heat-inactivated fetal bovine serum and 10% heat-inactivated horse serum

Citation of Strain

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Cryopreservation Medium

Complete culture medium described above supplemented with 5% (v/v) DMSO. Cell culture tested DMSO is available as ATCC Catalog No. 4-X.

Comments

The cells produce the pregnancy associated protein called bovine ubiquitin cross-reactive protein (UCRP) and alpha chemokines in response to the cytokine interferon-tau.

BEND was submitted to the American Type Culture Collection in January, 1998 at passage 6. Tests for bovine viral diarrhea virus (BVDV) at the ATCC have indicated that BEND cells are positive for BVDV by immunofluorescence.

References

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

Biosafety Level: 2

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

ATCC® products are warranted for 30 days from the date of shipment, and this warranty is valid only if the product is stored and handled according to the information included on this product information sheet. If the ATCC® product is a living cell or microorganism, ATCC lists the media formulation that has been found to be effective for this product. 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 product. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

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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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**Product Sheet**

**BEND (ATCC® CRL-2398™)**

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**Please read this FIRST**

*Storage Temp.*

*liquid nitrogen*

*vapor phase*

*Biohazard Level*

2

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**Complete Growth Medium**

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**Citation of Strain**

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