ATCC

Product Sheet

Vampirovibrio chlorellavorus (ATCC® 29753™)

Please read this FIRST

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: *Vampirovibrio chlorellavorus* (ATCC® 29753™)

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

Designation: ICPB 3707 [NCIB 11383]
Deposited Name: *Bdellovibrio chlorellavorus* Gromov and Mamkayeva

Propagation

Medium
ATCC® Medium 1024: MED IIa

Growth Conditions
Temperature: 26.0°C
Atmosphere: Grown with Chlorella vulgaris ATCC 30821

Propagation Procedure
1. Grow up the host strain, *Chlorella vulgaris* ATCC 30821™, on agar plates. Follow the recommendations for medium and conditions provided with the culture. Good growth should appear within seven days.
2. Upon sufficient growth of *Chlorella vulgaris*, two or three plates worth is transferred aseptically using an ordinary bacteriological loop to 30 ml of Medium #1024 broth contained in a 125 ml Erlenmeyer flask.
3. Rehydrate the vial of the *Vampirovibrio chlorellavorus* with approximately 1.0 ml of #1024 broth and add to the freshly prepared algal broth.
4. Shake the two-member culture gently to moderately in the dark at 26ºC for approximately one week. Observe daily for a color change from bright grass green to a muted yellow-green. Growth may take longer on initial propagation. Allow at least two weeks.
5. The cycle can be repeated to provide actively lytic cultures, or the lysate can be transferred to sterile screw-cap bottles for room temperature storage for indefinite lengths of time.
6. Examine a wet mount preparation of the flask culture to check for free swimming cells. They can be seen as very tiny, actively motile, curved rods.

Notes

Observe the flask culture microscopically daily until the *Vampirovibrio* cells are observed.

This culture is best kept and stored as a two-member culture. Freezing in liquid nitrogen is the preferable means of long-term storage.

Additional information on this culture is available on the ATCC web site at www.atcc.org.

References

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

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.

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Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.

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