



Product Sheet

Perkinsus atlanticus (ATCC® PRA-31™)

Please read this **FIRST**



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: *Perkinsus atlanticus* (ATCC® PRA-31™)

Description

Strain Designation: Pa G3F
Deposited Name: *Perkinsus atlanticus* Azevedo
Depositor: A Villalba, J La Peyre, SM Casas
Isolation:
marine invertebrate
Spain
Isolation date: May 31, 2000

Propagation

Growth Conditions
Temperature: 28.0°C

Medium
ATCC® Medium 1886: Perkinsus broth medium

Instructions for Complete Medium

ATCC Medium

Culture Maintenance

1. Vigorously agitate a culture at or near peak density and aseptically transfer a 0.1 ml aliquot to a T-25 tissue culture flask containing 10 ml of fresh complete medium.
2. Screw cap on tightly and incubate at 25°C.
3. Subculture every 28 d.

Cryopreservation

1. Harvest cells from several cultures which are in logarithmic to late stationary phase of growth. Vigorously agitate to suspend the cells.
2. Aseptically transfer the cell suspension to 15 ml plastic centrifuge tubes.
3. Centrifuge at 200 x g for 5 min.
4. While cells are centrifuging, prepare a 20% solution of DMSO in ATCC Medium 2375.
5. Remove the supernatant and pool the cell pellets into a final volume of 4.5 ml.
6. Combine the cell suspension with an equal volume of 20% DMSO cryoprotectant solution (prepared in step 4) to yield a final concentration of 10% DMSO.
7. Dispense in 0.5 ml aliquots to 1.0-2.0 ml Nunc vials (special plastic vials for cryopreservation).
8. Place the vials in a controlled rate freezing unit. From room temperature cool at -1°C/min to -40°C. At -40°C, plunge ampules into liquid nitrogen.
9. Store ampules in a liquid nitrogen refrigerator until needed.
10. To establish a culture from the frozen state, place a frozen ampule in a 35°C water bath just enough to cover the frozen material. Allow the ampule to thaw completely (2-3 min).
11. Immediately after thawing, aseptically remove the contents and transfer to a T-25 tissue culture flask containing 10 ml of fresh ATCC medium 2375.
12. Screw the cap on tightly and incubate at 25°C. Observe the culture daily. Transfer the culture when many trophozoites are observed.

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

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Or contact your local distributor



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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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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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