ATCC

Product Sheet

Nematocida parisii (ATCC® PRA-289™)

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: *Nematocida parisii* (ATCC® PRA-289™)

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

Strain Designation: ERTm1
Depositor: ER Troemel
Isolation:
Wild-caught Caenorhabditis elegans isolated from a compost pit, Franconville, France
ref

Propagation

Growth Conditions
Growth condition: in vivo, C. elegans
ref

Instructions for Complete Medium
in vivo cultivation, *Caenorhabditis elegans*

Cryopreservation

M9 buffer

KH_2PO_4	3.0 g
Na_2HPO_4	6.0 g
NaCl	5.0 g
$MgSO_4$ (1M)	1.0 ml
Distilled H_2O	1.0 L

Dissolve ingredients in 1 L of distilled water. Distribute 200 to 500 ml aliquots into appropriate sized bottles and autoclave for 15 minutes.

1. To harvest the *Nematocida* culture, add 5 ml of M9 buffer to an infected NGM plate and transfer the suspension to a 15 ml centrifuge tube.
2. Centrifuge at 200 x g for 5 min. Remove the supernatant, resuspend the pellet in 5 ml of M9 buffer, and repeat the centrifugation step.
3. Repeat step 2 a minimum of five times in order to wash the infected worms.
4. After the last wash, resupend the pellet in 1 ml of M9 buffer and transfer the suspension to a 2 ml microcentrifuge tube. Add Silicon carbide beads (BioSpec Products, Inc.) to the tube and vortex for 1 minute. Repeat the procedure 4-5 times.
4. Filter the worm extract through a Whatman filter paper number 1 to remove eggs and any remaining intact worms.
5. Perform a spore count of the worm extract and adjust the concentration to ≥ 3 x 10^7 spores/ml. **NOTE:** If the concentration of spores is too low, harvest infected worms from additional NGM plates to yield the desired concentration.
6. Mix the extract with an equal volume of M9 buffer containing 30% glycerol. The final concentration of the extract will be ≥ 1.5 x 10^7 spores/ml and 15% glycerol.
7. Dispense 70 ml aliquots into 1.0-2.0 ml sterile plastic screw-capped cryovials.
8. Place vials in a controlled rate freezing unit. From room temperature cool at -1°C/min to -40°C. If freezing unit can compensate for the heat of fusion, maintain rate at -1° C/min through heat of fusion. At -40°C plunge ampules into liquid nitrogen. Alternatively, place the vials in a Nalgene 1°C freezing apparatus. Place the apparatus at -80°C for 1.5 to 2 hours and then plunge ampules into liquid nitrogen. (The cooling rate in this apparatus is approximately
   -1°C/min.)
9. Store frozen ampules in either the vapor or liquid phase of a nitrogen refrigerator.

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

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1

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for Health.

ATCC Warranty

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

Disclaimers

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

While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate.

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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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