




Product Sheet


Rapaza viridis (ATCC® PRA-360™)

Please read this FIRST

Storage Temp.
Frozen Cultures:
-70°C for 1 week;
liquid N₂ vapor
for long term
storage


Freeze-dried Cultures:
2-8°C

Live Cultures:
See Protocols
section for
handling
information

 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: *Rapaza viridis* (ATCC® PRA-360™)

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: PB36
Deposited Name: *Rapaza viridis*
Depositor: N Yubuki
Isolation: Tide pool, Pachena Beach, Bamfield, BC, Canada, 2010

Notes

This strain must be fed with live *Tetraselmis* sp. ATCC® PRA-361™ (not provided). The *Tetraselmis* should be maintained separately and fed to *Rapaza* at regular intervals (approximately every 2-3 wks).

Propagation

Growth Conditions
Temperature: 15°C to 25°C
Atmosphere: Aerobic
Culture System: Xenic, with mixed bacteria and ATCC® PRA-361™ as food source

Medium
ATCC® Medium 2846: F/2 Medium

Instructions for Complete Medium
Growth with ATCC® PRA-361™ *Tetraselmis* sp. and mixed bacterial flora

Protocols

Handling of Live Culture

This strain is routinely shipped as a growing culture in a glass 16 x 125 mm screw-capped test tube. The volume of the cell suspension is approximately 5 mL. When the culture arrives remove it promptly from the shipping container. **Do not store the culture at refrigeration temperatures before handling.** To assure viability, immediately loosen the test tube cap and incubate upright at 15-25°C for at least one hour before observing the culture. There should be numerous active trophozoites in suspension. If the numbers are low the culture may have been exposed to temperature extremes in transit. Regardless of the state of the culture, aseptically transfer a 0.5 mL aliquot to a T-25 tissue culture flask containing 10 mL fresh medium. Aseptically transfer 1-2 mL from a thriving culture of *Tetraselmis* sp. ATCC® PRA-361™ (not provided) to the T-25 flask containing *Rapaza*. Incubate the culture at 15-25°C under a 14 hour light (~50 µEinsteins/m²/s irradiance)/10 hour dark cycle with the cap screwed on tightly.

Culture Maintenance

Subculture at peak density (approximately every 2-3 wks) to a fresh T-25 flask of complete medium in the following manner:

1. Vigorously agitate the flask and aseptically transfer 0.5 mL to a T-25 tissue culture flask containing 10 mL fresh medium.
2. Aseptically transfer 1-2 mL from a thriving culture of *Tetraselmis* sp. ATCC® PRA-361™ (not provided) to the T-25 flask containing *Rapaza*.
3. Incubate the culture at 15-25°C under a 14 hour light (~50 µEinsteins/m²/s irradiance)/10 hour dark cycle with the cap screwed on tightly.

Cryopreservation

No protocol available

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




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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

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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