



Product Sheet

# *Rapaza viridis* (ATCC® PRA-360™)

Please read this **FIRST**

Storage Temp.  
**Frozen Cultures:**  
-70°C for 1 week;  
liquid N<sub>2</sub> 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](http://www.atcc.org)

800.638.6597 or 703.365.2700  
Fax: 703.365.2750  
Email: [Tech@atcc.org](mailto: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/m<sup>2</sup>/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/m<sup>2</sup>/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](http://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.

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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](http://www.atcc.org)

Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).

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