



# *Thermorudis peleae* King and King

BAA-2536<sup>TM</sup>

## Description

*Thermorudis peleae* strain KI4 is a thermophilic bacterium isolated from the Kilauea Iki crater biofilm in Hawai'i Volcanoes National Park. This strain is propagated aerobically at 65°C.

**Strain designation:** KI4

**Deposited As:** *Thermomicrobiales* sp.

**Type strain:** Yes

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## Storage Conditions

**Product format:** Frozen

**Storage conditions:** -80°C or colder

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## Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

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## BSL 1

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local

or national agencies.

ATCC highly recommends that appropriate personal protective equipment is always used when handling vials. For cultures that require storage in liquid nitrogen, it is important to note that some vials may leak when submersed in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vial exploding or blowing off its cap with dangerous force creating flying debris. Unless necessary, ATCC recommends that these cultures be stored in the vapor phase of liquid nitrogen rather than submersed in liquid nitrogen.

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## Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

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## Growth Conditions

**Medium:**

ATCC Medium 2830: R2A Modified for Thermomicrobiales

**Temperature:** 65°C**Atmosphere:** Aerobic

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## Handling Procedures

1. Open thawed vial.
2. Aseptically transfer the entire contents to a 5-6 mL tube of #2830 broth. Additional test tubes can be inoculated by transferring 0.5 mL of the primary broth tube to these secondary tubes.

3. Use several drops of the primary broth tube to inoculate a #2830 plate and/or #2830 agar slant.
  4. Incubate at 65°C for 3-4 days.
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## Notes

Colonies on #2830 plates appear small, circular, entire, smooth, low convex, translucent and light pink. During incubation, plates require a moist environment. To avoid melting of the medium during incubation, the plates should be raised off the surface of the incubator shelf.

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

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Thermorudis peleeae* King and King (ATCC BAA-2536)

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## References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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