Vibrio campbellii (Baumann et al.)

BAA-1119™

Description

Vibrio campbellii strain BB152 is a whole-genome sequenced bacterium that was derived from *Vibrio campbellii* strain BB120 (ATCC BAA-1116). This culture is one of several strains included in a "quorum sensing kit" (ATCC MP-6) developed by the depositor. This strain has the genotype luxM::tn5Kan. It is a mutant sensor strain that responds only to the AI-2 autoinducer.

- **Strain designation** BB152
- **Deposited As** *Vibrio harveyi* (Johnson and Shunk) Baumann et al.
- **Type strain** No

Storage Conditions

- **Product format** Freeze-dried
- **Storage conditions** 2°C to 8°C

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.

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 explodin 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 submerse in liquid nitrogen.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Growth Conditions

- **Medium**
  ATCC Medium 2: Marine agar 2216 or marine broth 2216
  ATCC Medium 2746: Autoinducer Bioassay (AB) Medium
- **Temperature** 30°C
- **Atmosphere** Aerobic

Handling Procedures

- 1. Open vial according to enclosed instructions.
  2. Using a single tube of #2 broth (5 to 6 mL), withdraw approximately 0.5 to 1.0 mL with a Pasteur or 1.0 mL pipette. Rehydrate the entire pellet.
  3. Aseptically transfer this aliquot back into the broth tube. Mix well.
  4. Use several drops of the suspension to inoculate a #2 agar slant, and/or plate.
  5. Incubate all tubes and plate at 30°C for 24 hours.

Notes

When using this strain as part of the "quorum sensing kit" or in any other bioluminescent assays, #2746 media should be used. Marine media contains boric acid and may cause otherwise bioluminescent-negative strains to luminesce, as boron is a key element in autoinducer-2.
This strain exhibits weak bioluminescence in #2746 media.
The genotype for this strain is luxM::tn5Kan.

Additional information on this culture is available on the ATCC® web site at www.atcc.org.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Vibrio campbellii* (Baumann et al.) Baumann et al. (ATCC BAA-1119)

References

References and other information relating to this material are available at www.atcc.org.

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