**Product Information Sheet for NR-154**

**Vibrio cholerae**, Strain BG202

**Catalog No. NR-154**
(Derived from ATCC® 14102™)

**For research use only. Not for human use.**

**Contributor:**
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**Product Description:**
Bacteria Classification: *Vibrionaceae, Vibrio*
Species: *Vibrio cholerae*
Strain: BG202
Biotype: Classical
Serogroup: O:1
Bacteriophage Type: Group III (S. Mukerjee)¹ ²
Original Source: Human clinical specimen from the cholera epidemic in Calcutta, India (circa 1960)

**Comment:** *Vibrio cholerae* (V. cholerae), strain BG202 was deposited at ATCC® in 1960 by Dr. S. Mukerjee, Division of Microbiology, Indian Institute for Biochemistry and Experimental Medicine, Calcutta, India.

*V. cholerae* is a natural inhabitant of warm aquatic environments and the causative agent of the diarrheal disease cholera. More than 200 O-antigen serogroups have been identified but only O1 and more recently O139 are known to cause epidemic and pandemic cholera.³ Occasionally, there are cholera outbreaks that result from non-O1 and non-O139 serotypes. *V. cholerae* colonizes the mucosal surface of the small intestines of humans, the only known animal host.⁴ Cholera has a high lethality if left untreated, and millions have died in the seven pandemics that have occurred since 1817.

Cholera toxin, the toxin-coregulated pilus (TCP) and the central regulatory protein, ToxR, are recognized as significant factors in the pathogenicity of toxigenic strains of *V. cholerae* serogroups O1 and O139.⁵

**Material Provided:**
Each vial contains approximately 0.5 mL of bacterial culture in 0.5X Tryptic Soy Broth supplemented with 10% glycerol.

**Note:** If homogeneity is required for your intended use, please purify prior to initiating work.

**Packaging/Storage:**
NR-154 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen and should be stored at -60°C or colder immediately upon arrival. For long-term storage, the vapor phase of a liquid nitrogen freezer is recommended. Freeze-thaw cycles should be avoided.

**Growth Conditions:**
- **Media:**
  - Tryptic Soy Broth or equivalent
  - Tryptic Soy Agar or equivalent
- **Incubation:**
  - Temperature: 37°C
  - Atmosphere: Aerobic
- **Propagation:**
  1. Keep vial frozen until ready for use; then thaw.
  2. Transfer the entire thawed aliquot into a single tube of broth.
  3. Use several drops of the suspension to inoculate an agar slant and/or plate.
  4. Incubate the tubes and plate at 37°C for 24 hours.

**Citation:**
Acknowledgment for publications should read “The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: *Vibrio cholerae*, Strain BG202, NR-154.”

**Biosafety Level:**
2


**Disclaimers:**
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References:

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