**Vibrio cholerae**, Strain BG29

**Catalog No. NR-156**  
(Derived from ATCC® 14104™)

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

**Contributor:**  
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**Product Description:**  
**Bacteria Classification:** *Vibrionaceae, Vibrio*  
**Species:** *Vibrio cholerae*  
**Strain:** BG29  
**Biotype:** Classical  
**Serogroup:** O:1  
**Bacteriophage Type:** Group V (S. Mukerjee)¹,²  
**Original Source:** Human clinical specimen from the cholera epidemic in Calcutta, India (circa 1960)  
**Comment:** *Vibrio cholerae* (*V. cholerae*), strain BG29 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.

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-156 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 BG29, NR-156.”

**Biosafety Level:** 2  

**Disclaimers:**  
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References:

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