**Product Information Sheet for NR-145**

**Vibrio cholerae, Strain MO3**

**Catalog No. NR-145**  
(Derived from ATCC® 51395™)

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

**Contributor:**  
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**Product Description:**  
Bacteria Classification: Vibrionaceae, Vibrio  
Species: *Vibrio cholerae*  
Strain: MO3  
Serogroup: O:139 (Bengal)  
Original Source:* Cholera patient in Madras, India, 1992

*Vibrio cholerae* (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. 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.* 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.

**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-145 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 MO3, NR-145.”

**Biosafety Level:** 2  

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