

Native Vibrio Species Cells, Heat-Inactivated

Cat. No. VIB-616 Lot. No. (See product label)

SPECIFICATION

Product Overview

Heat-killed Vibrio species cells in dextran solution. Antigen is intended for use as a positive control in immunoassay development for Vibrio detection.

Background

The Vibrio genus are highly motile, curved-shaped bacteria, with a single, polar flagellum, used for self-propulsion. Vibrio cholerae is a non-spore-forming, gram-negative, facultative anaerobic bacterium of the Vibrionaceae family. V. cholerae is the causative agent of cholera, which is a diarrhoeal disease of the small intestine. Transmission of V. cholerae to humans occurs via the faecal-oral route and through the ingestion of contaminated water or food (WHO). An estimated 3-5 million cases and over 100,000 deaths occur each year around the world. The infection is often mild or without symptoms, but can sometimes be severe. Approximately one in 10 (5-10%) infected persons will have severe disease characterized by profuse watery diarrhea, vomiting, and leg cramps. In these people, rapid loss of body fluids leads to dehydration and shock. Without treatment, death can occur within hours.

There are numerous serogroups of V. cholerae, but until 1992 the only vibrios that caused epidemic cholera were of the serogroup O1. The O1 serogroup is classified as two biotypes, classical and El Tor, and are further classified into two major serotypes, Inaba (AC) and Ogawa (AB). In 1993, a new pathogenic serogroup emerged in Bangladesh that was designated O139 Bengal (Silva AJ).

Notes

This product is intended for research and manufacturing uses only. It is not a diagnostic device. The user assumes all responsibility for care, custody and control of the material, including its disposal, in accordance with all regulations.

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Type	Native
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ClassID 1	Infectious Disease
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GENE INFORMATION

Synonyms	Vibrio Species
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