

Native Campylobacter Jejuni Cells

Cat. No. CAM-046 **Lot. No.** (See product label)

SPECIFICATION

Product Overview

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

Background

Campylobacter is considered to be the most common bacterial cause of human gastroenteritis in the world (WHO). *Campylobacter* are mainly spiral-shaped, "S"-shaped, or curved, rod-shaped bacteria. Currently, there are 17 species and 6 subspecies assigned to the genus *Campylobacter*, of which the most frequently reported in human diseases are *C. jejuni* (subspecies *jejuni*) and *C. coli*. Other species such as *C. lari* and *C. upsaliensis* have also been isolated from patients with diarrhoeal disease, but are reported less frequently.

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The main route of transmission is generally believed to be foodborne, via undercooked meat and meat products, as well as raw or contaminated milk. Contaminated water or ice is also a source of infection. A proportion of cases occur following contact with contaminated water during recreational activities.

Campylobacteriosis can affect all age groups but commonly affects young children,

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males and the elderly. Symptoms of infection generally include fever, abdominal cramps, watery or haemorrhagic diarrhoea and weight loss. Symptoms can be more severe and of longer duration in young children and the elderly. Although the disease is self-limiting, complications may develop in some cases after infection, which include irritable bowel syndrome, Guillain Barre syndrome and other autoimmune neuropathies (CDC).

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.

Type

Native

ClassID 1

Infectious Disease

GENE INFORMATION**Synonyms**

Campylobacter Jejuni

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