



Clostridium leptum

Cat. No.: LBST-064FG

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	<i>Clostridium leptum</i> is an anaerobe, mesophilic bacterium that was isolated from human faeces. It is a bacterium species in the genus <i>Clostridium</i> .
Target	<i>Clostridium</i>
Genus	<i>Clostridium</i>
Strain Designation	VPI T7-24-1
Application	Study and research
Type Strain	Yes
Culture Medium	Blood agar
Culture Conditions	37°C; Anaerobic
Source	Human feces
Risk Group	1
Product Format	Freeze-dried
Packaging	Ampoule tube
Storage	-80°C
Shelf Life	6 years

TARGET INTRODUCTION

Introduction

Clostridium is a genus of rod-shaped, usually Gram-positive bacteria, members of which are found in soil, water, and the intestinal tracts of humans and other animals. The majority of species are obligate anaerobes. As the predominant bacteria in gut, *Clostridium* species exert lots of benefits to body health via interacting with intestine directly or indirectly. *Clostridium* species are potent candidates to alleviate dysfunctions and disorders in intestine, they have been reported to attenuate inflammation and allergic diseases effectively owing to their distinctive biological activities. Their cellular components and metabolites, like butyrate, secondary bile acids and indolepropionic acid, play a probiotic role primarily through energizing intestinal epithelial cells, strengthening intestinal barrier and interacting with immune system. In view of their salutary performances, *Clostridium* species have a huge potential as probiotics.

Alternative Names

Clostridium leptum
