



Bifidobacterium longum subsp. infantis; D24671

Cat. No.: LBGF-0722-GF59

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

PRODUCT INFORMATION

Product Overview	<i>Bifidobacterium longum</i> is a Gram-positive, catalase-negative, rod-shaped bacterium present in the human gastrointestinal tract.
Target	<i>Bifidobacterium</i>
Genus	<i>Bifidobacterium</i>
Application	Study and research
Culture Medium	BBL
Culture Conditions	37°C; Anaerobic
Risk Group	1
Product Format	Freeze-dried
Packaging	Ampoule tube
Storage	-80°C
Shelf Life	6 years

TARGET INTRODUCTION

Introduction

Bifidobacterium is Gram-positive, heterofermentative, anaerobic bacteria with a distinctive bifid; i.e. Y shape after which they are named. They are originally isolated from the faeces of breast-fed infants, members of the genus *Bifidobacterium* are commonly found in the GI tract of mammals. In humans, *Bifidobacterium* resides within the GI tract, from birth to old age. Disturbances in the microbiota are linked to an ever-growing number of immune-linked disease states including IBD, atopic allergy, arthritis, and obesity. Therefore, there is a significant interest in treating these diseases through microbial or "probiotic" supplementation of patients, including *Bifidobacterium*. Data from mouse models and clinical trials indicate that *Bifidobacterium* may have beneficial effects for treating and preventing immune-linked diseases, including gut-associated and systemic conditions. *Bifidobacterium* have been commercially exploited as probiotic agents due to their associated health benefits and GRAS.

Alternative Names

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