



PRODUCT DATA SHEET

Digestive+

Gut microbiota has the largest numbers of microbes and the greatest numbers of species compared to other areas of the human body. In the gut, microbes secrete molecules and excrete metabolites to maintain the well-being of physical function and to influence the development of diseases. Probiotics ingestion can alter the flora balance to reduce the risk of disease. In 2001, the FAO/WHO expert consultation defines probiotics as live microbes that confer a health benefit on the host when administered in adequate amounts.

Description

Digestive+ is the freeze-dried microbial culture blend. It is scientifically proven and helpful in GI disorders.

Composition

Lactobacillus acidophilus LA107
Bifidobacterium longum BL268
Lactobacillus rhamnosus LCR103
Streptococcus thermophilus ST138
Lactobacillus plantarum LP112
Lactobacillus paracasei LPC188
Lactobacillus pentosus LPE588
Tapioca starch
Inulin

Potency

100 Billion CFU/g

Identification of microbe

16S rDNA sequencing

Physical characteristics

Appearance White to cream-colored,
free-flowing powder
with characteristic odor

Moisture < 5%

Evaluation of probiotic potential

Survival in simulated GI tract
Adhesion to epithelial cells

Allergens profile

Substances causing allergies	Use or not	
	Yes	No
Milk*	✓	
Soy		✓
Eggs		✓
Fish		✓
Cereals gluten		✓
Celery		✓
Mustard		✓
Nuts		✓
Peanuts		✓
Sesame seeds		✓
Lupin		✓
Molluscs		✓
Crustaceans		✓
Sulfur Dioxide		✓

Description of components:

① Lactose is used in the culture medium.

Refer to Regulation (EU) No 1169/2011

Packaging

1 kg sealed in an aluminum foil bag
1-20 bags packed in a corrugated box



PRODUCT DATA SHEET

Digestive+

Microbial contaminants

Yeast & Mold	< 100 CFU/g
Coliform	< 100 CFU/g
<i>Escherichia coli</i>	Negative
<i>Salmonella</i> spp.	Negative
<i>Staphylococcus aureus</i>	Negative
<i>Listeria monocytogenes</i>	Negative

Heavy metals index

Arsenic	< 0.05 ppm
Lead	< 0.05 ppm
Mercury	< 0.05 ppm
Cadmium	< 0.05 ppm

Safety

MSDS available upon request

Storage

Under dry and cold conditions, preferably frozen temperature (-20°C), refrigeration (4°C) otherwise.

Stability

Half-life ($t_{1/2}$) of viable cell count:

- ❶ More than two years at -20°C
- ❷ Between one to two years at 4°C

GMO status

Digestive+ does not consist of, nor contains, nor is produced from genetically modified organisms (GMOs).

Antibiotics susceptibility

	LA107	BL268	LCR103	ST138	LP112	LPC188	LPE588
Gentamicin	S	S	S	S	S	S	S
Kanamycin	I	I	S	I	I	I	I
Streptomycin	I	I	S	I	I	S	I
Neomycin	S	S	S	S	I	S	S
Tetracycline	S	S	S	S	I	S	I
Erythromycin	S	S	I	I	S	I	I
Clindamycin	S	S	S	S	S	S	S
Chloramphenicol	I	S	S	I	I	S	I
Ampicillin	I	S	S	S	S	I	I
Penicillin	I	S	S	S	S	I	I
Vancomycin	R	R	R	S	R	R	R
Quinupristin-dalfopristin	S	S	S	S	S	S	S
Linezolid	S	S	S	S	S	S	S
Trimethoprim	R	R	R	R	R	R	R
Ciprofloxacin	S	S	S	S	I	S	I
Rifampicin	S	S	S	S	S	S	S

S= Susceptible (MIC ≤ 4 µg/ml) I= Intermediate (MIC = 8-32 µg/ml) R= Resistant (MIC ≥ 64 µg/ml)

