

ECOLLUS

A Product of
Surgeway Biosciences



Surgeway

— TAKE THIS. GET HEALTHY —

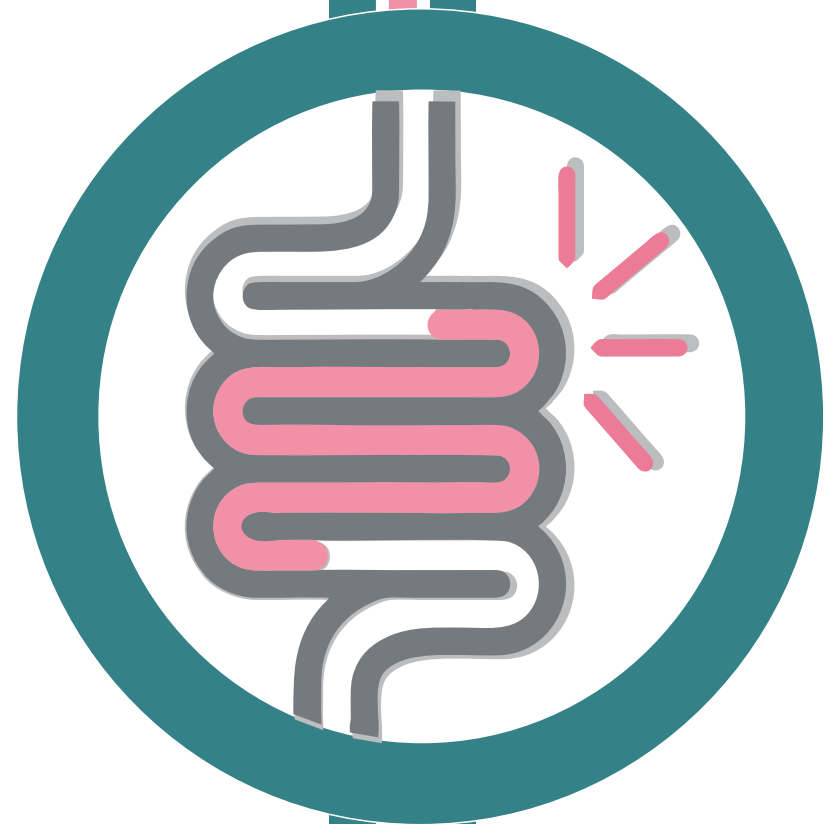


About Surgeway Biosciences

- ▶ SurgeWay Biosciences is a pharma export house with an increasing presence in international markets.
- ▶ SurgeWay is part of a larger group, which has been into the Pharmaceutical Industry for the past **36 years/since 1984.**

Our Niche Product Portfolio

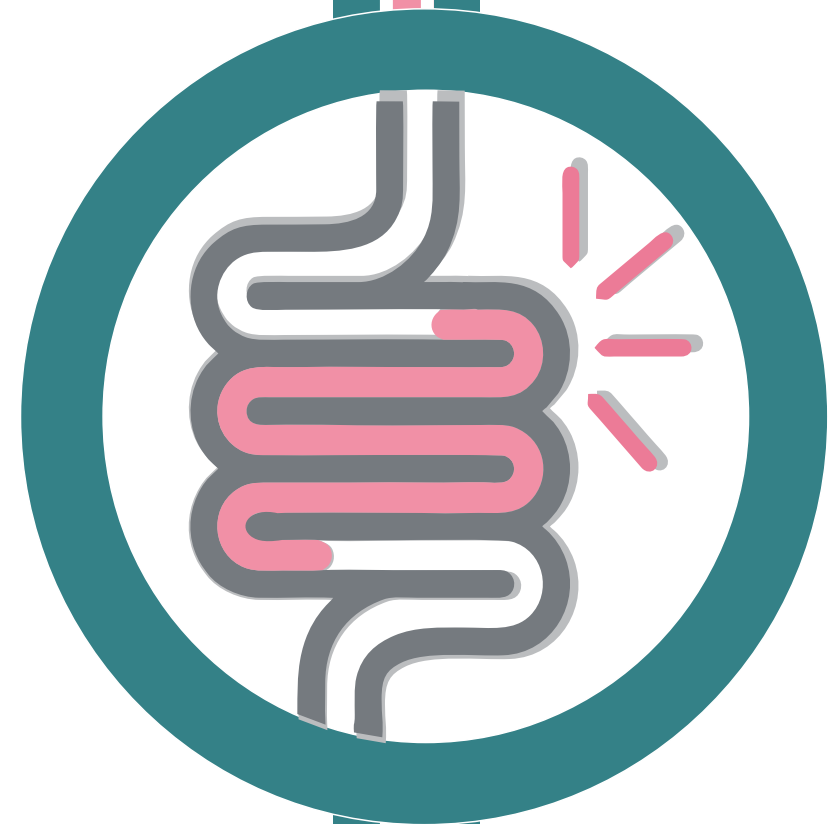
- Unique Food Supplements
- US-FDA Medical Devices
- Patented Herbal Products
- Specialized Drugs



Intestine is a paradise of diseases

**“Death sits in the bowels;
a bad digestion is the root of all evil”**

- Hippocrates, ca. 400 BC



INTRODUCTION TO PRE AND PROBIOTICS?

- ▶ According to the currently adopted definition by **FAO/WHO**, probiotics are: “Live microorganisms, which when administered in adequate amounts, confer a health benefit on the host”
- ▶ Probiotics help to **boost the immune system** and **ward off inflammatory responses** in the gut
- ▶ Probiotics stimulate everything from T-cells to macrophage including the activation of cytokines and phagocytic cells

Prebiotics act as fertilizers to the probiotics!



FACTS ABOUT PRE AND PROBIOTICS

- ▶ Probiotics can positively impact **bio-availability**, which means that the body is more capable of extracting beneficial nutrients from the food
- ▶ Probiotics can easily kill **Antibiotic-Resistant** bacteria
- ▶ People who take probiotics may suffer from fewer colds and winter infections
- ▶ Probiotics have been shown to stimulate production of anti-cancer chemicals

OUR RANGE OF PRE AND PROBIOTICS



Capsules



Sachets

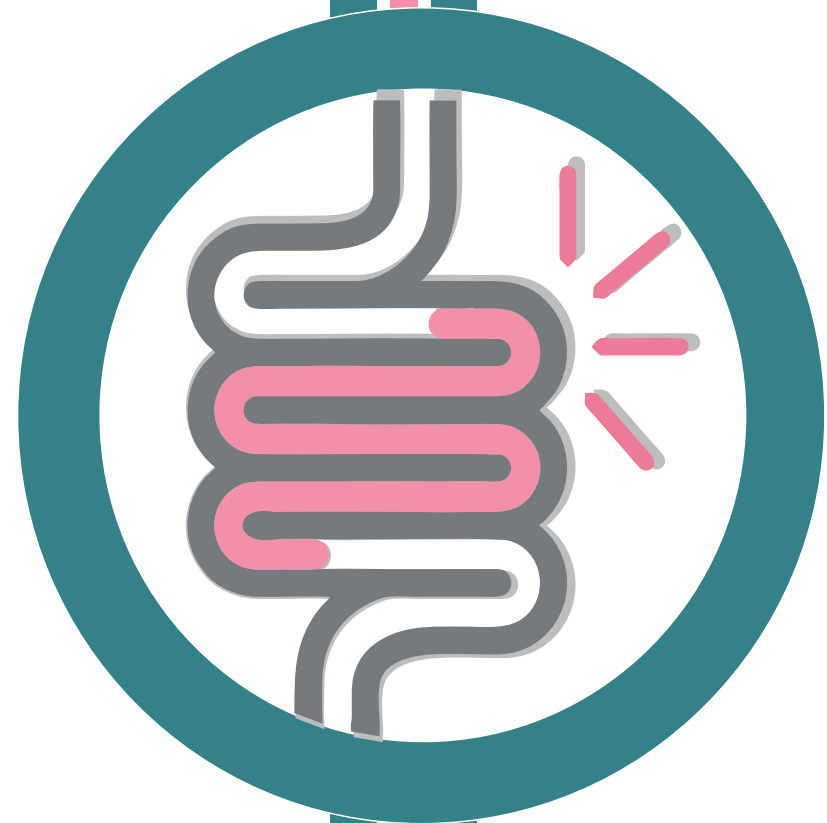


ECOLUS

Composition

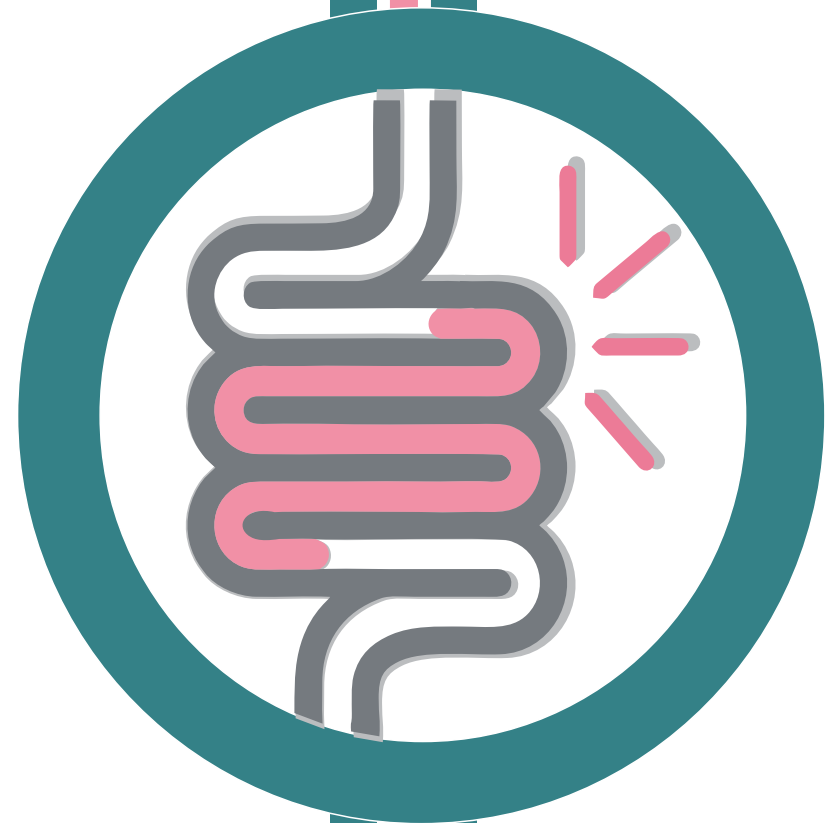
Each capsule contains:

<i>Streptococcus faecalis</i>	30 Million
<i>Clostridium butyricum</i>	2 Million
<i>Bacillus Mesentericus</i>	1 Million
Lactic Acid Bacillus (<i>Lactobacillus sporogenes</i>)	50 Million





- ▶ ***Streptococcus faecalis***: It produces lactic acid to inhibit the growth of harmful bacteria.
- ▶ ***Clostridium butyricum***: It yields short chain fatty acids such as butyric acid and acetic acid, to inhibit the growth of harmful bacteria and help to regularize abnormal bowel movements.
- ▶ ***Bacillus mesentericus***: It produces an amylolytic enzyme (amylase) and protease to activate proliferation of streptococcus. It also produces nutrients, which help in increasing the count of bifidobacteria.
- ▶ ***Lactobacillus sporogenes***: It helps in synthesis of B-Complex Vitamins and Vitamin K. It produces enzymes required in the digestion of various carbohydrates, fats, and proteins and aids in their absorption.

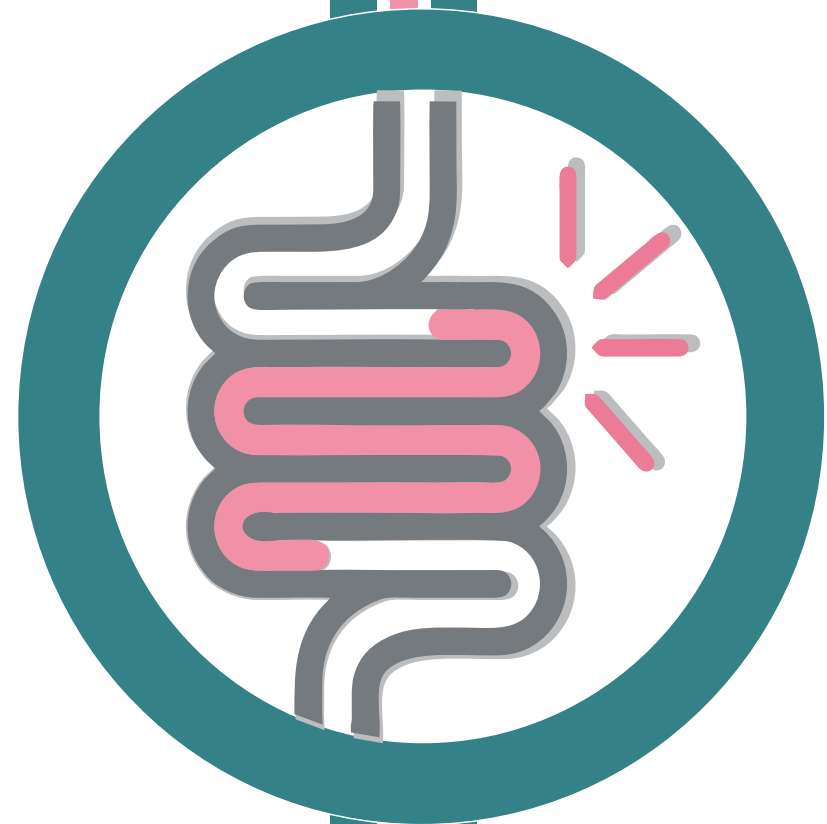


OUR GUT IS A COMPLEX PLACE LOADED WITH MICROBES

- ▶ Humans are host to microbes that live on our skin and inside our bodies. It has been estimated that more microbial cells exist in the body than human cells
- ▶ There are trillions of microorganisms in your gut
- ▶ These microorganisms are collectively called your gut flora, micro flora, or beneficial bacteria and are estimated to make up about 3 pounds of your body weight. These bacteria include many different microbes both friendly and harmful

ECOLUS helps to achieve this gastrointestinal balance and improve the immune response.

ECOLUS



PROPERTIES OF PROBIOTICS

- ▶ Safe to the host
- ▶ No toxic effect
- ▶ Resistance to hydrochloric acid, bile and pancreatic juice
- ▶ Anti-carcinogenic activity
- ▶ Produce lactic-acid
- ▶ Retain viability during storage and use
- ▶ Stimulate the immune system
- ▶ Ability to colonize the gastrointestinal tract

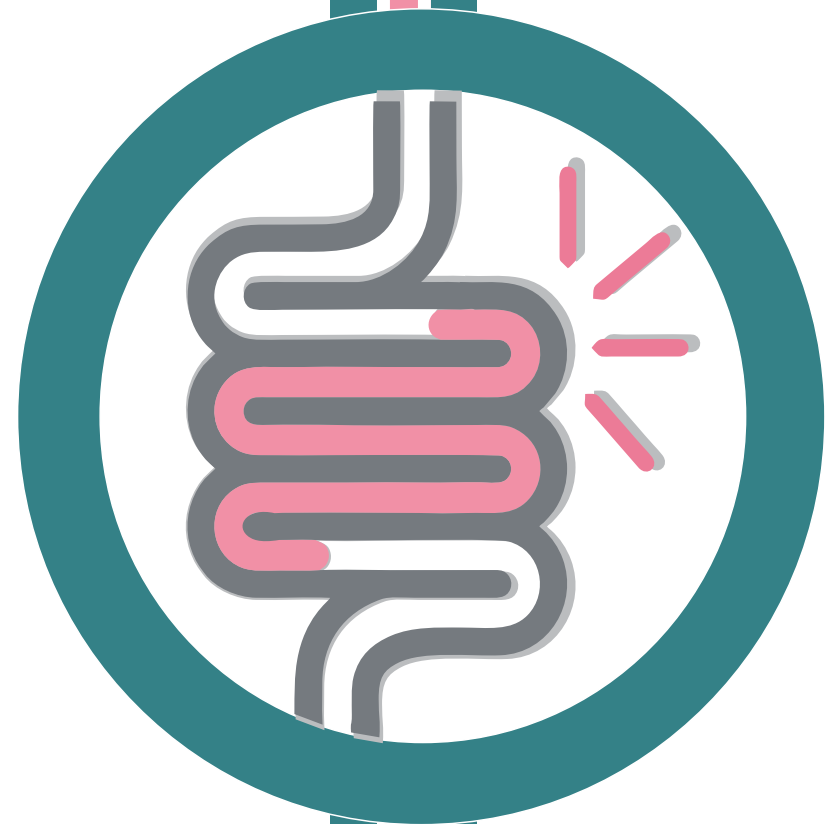


Features of ECOLUS

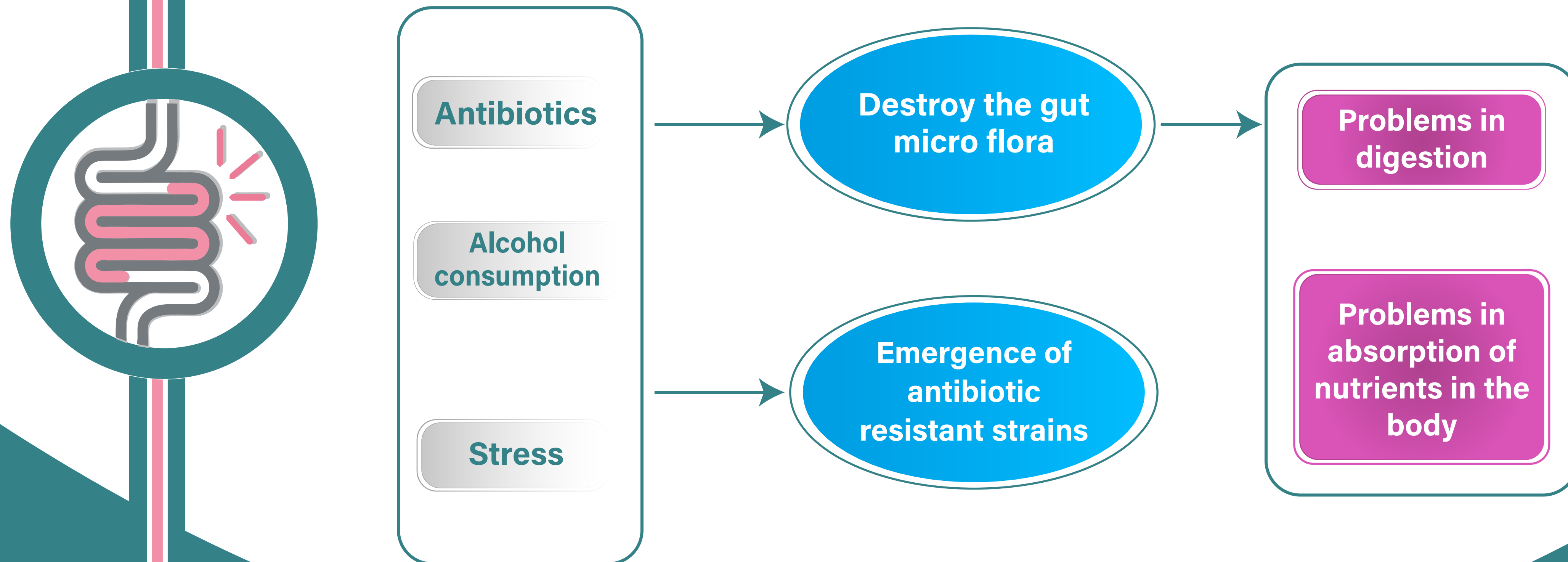
- ▶ Resistant to gastric acidity and bile salts
- ▶ Survives transit through the gastrointestinal tract
- ▶ Resistant to antibiotics
- ▶ Proliferates the beneficial bacteria
- ▶ Significantly inhibits enteric pathogens
- ▶ Has anti-inflammatory properties
- ▶ Normalizes the altered microflora

METHOD OF ACTION POST ECOLUS CONSUMPTION

- ▶ Proliferation in the intestine through **symbiosis**
- ▶ Produces pathogen (Bad bacteria) inhibiting factors like lactic acid, acetic acid and butyric acid
- ▶ *Bacillus mesentericus* produces a nutrient that increases the count of beneficial bacteria
- ▶ Lactic acid bacillus produces lactic acid which has pathogen inhibiting capability
- ▶ **Produces enzymes** required in the digestion of various carbohydrates, fats, proteins and also aids in their proper absorption



WHY ARE PROBIOTICS IMPORTANT FOR HUMAN HEALTH?



THANK YOU FOR YOUR TIME!
For more Information:

Please get in touch with:

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