

MULTI-FLORA 4 Bil

ncapsulate
Premium natural formulations

8 strains of acid-resistant probiotic supplement for full-spectrum support



- 4 Bil good bacteria per capsule
- Each capsule has the equivalent amount of friendly bacteria as 8 pots of probiotic yoghurt
- Contains 8 strains of acid-resistant probiotic supplement for full-spectrum support
- A great source of friendly bacteria without the added sugar, dairy, fats and calories of yoghurt.

Suitable for vegetarians

Contains no added: artificial colours, flavourings, preservatives, dairy products, gluten, lactose, soya, sugar, wheat or yeast.

POTENTIALLY BENEFICIAL FOR:

- Bad breath
- Bloating stomach
- Flatulence
- Body odour
- Candida albicans overgrowth
- Coated tongue
- Coeliac disease
- Crohn's disease
- Ulcerated colitis
- Diarrhoea
- Constipation
- Digestive problems
- Dysbiosis (unbalanced bowel flora)
- Gall stones
- Indigestion
- Irritable Bowel Syndrome
- Leaky gut syndrome
- Reflux

Multi-Flora 4 Bil is a high-strength probiotic that contains **4 billion friendly bacteria per capsule**. It has been specially formulated for nutritionists, colonic hydrotherapists and other natural health practitioners who treat digestive and intestinal disorders, such as dysbiosis, Candida and bloating etc.

With its broad spectrum, 8 probiotic strains (encapsulated for acid resistance) at high concentration, this supplement will tackle most digestive and intestinal system disorders with ease – more than just another probiotic!

Also available in 20 billion practitioner strength – see our Multi-Flora 20 Bil formula.

This superior dietary supplement surpasses formulas that top health practitioners prescribe for their clients, and is made available to you at premium quality with free worldwide shipping and at a fraction of their prices.

Disclaimer: The product referred to on this fact sheet and statements made about the product and other information in this fact sheet have not been evaluated by the United States Food and Drug Administration, the Singapore Health Sciences Authority or any other regulatory authority. The product has not been approved to prevent, diagnose, treat or cure any health condition or disease. You should always consult your own healthcare professional if you are experiencing any health condition or disease and before using any health supplements.

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MULTI-FLORA AT WORK

COLONISATION LOCATIONS OF VARIOUS MICROFLORA PROBIOTIC STRAINS

The main location of action for each bacterial strain, which together offer full spectrum support of the large and small intestines

SMALL INTESTINE

Lactobacillus acidophilus
Lactobacillus bulgaricus
Lactobacillus casei
Lactobacillus rhamnosus
Streptococcus thermophilus

LARGE INTESTINE

Bifidobacterium breve
Bifidobacterium infantis
Bifidobacterium longum

INGREDIENTS

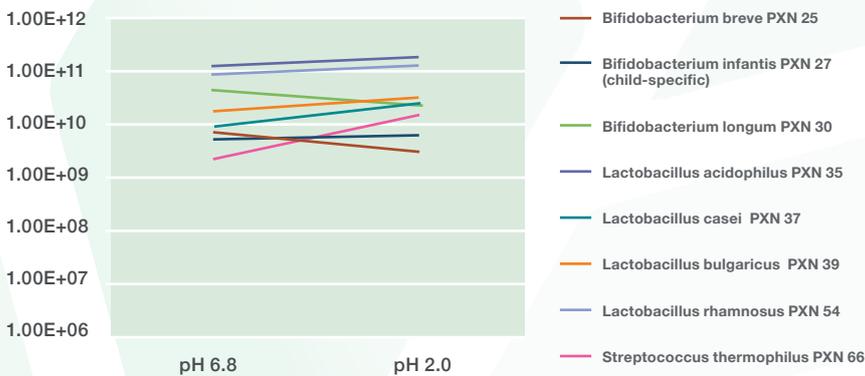
HEAT RESISTANT

These probiotics do not require refrigeration, which makes them perfect for travelling.

ACID RESISTANT

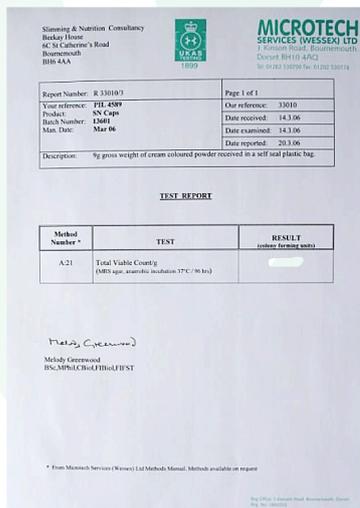
These probiotics are micro-encapsulated and can therefore withstand stomach acid, enabling them to reach the colon intact and ready to perform.

Acid stability of eight probiotic strains *in vitro*, unbuffered growth at pH 2.0



At pH 2.0 for 2 hours, our strains survived very well. An increase was even noticed in the case of lactobacilli, meaning the bacteria reach the colon alive, ready to perform their probiotic tasks.

HIGH CONCENTRATION



4 billion live bacteria per capsule – more than enough to provide support against digestive disorders and to speed up re-colonisation of beneficial bacteria.

INDEPENDENTLY TESTED

Independent laboratory testing of every batch, indicating proof of stated strength or concentration of live bacteria in our probiotic capsules.

Test result:

Total viable count /g = 4.0x10⁹ colony forming units.

MULTI-STRAIN FORMULA

A single species probiotic is very unlikely to deliver as many benefits as a multistrain probiotic, which colonises and acts upon multiple locations in the body.

A multi-strain formula will work in more areas and also provide better protection against a wider range of harmful bacteria, fungi, parasites, yeasts and gastrointestinal tract disorders.

VIABILITY OF PROBIOTIC MICRO-ORGANISMS IN THE GASTROINTESTINAL TRACT

ACID STABILITY OF SPECIALIST SUPPLEMENTS LTD PROBIOTIC MICROORGANISMS IN VITRO UNBUFFERED GROWTH AT PH 2.0 FOR 2 HOURS CONTACT TIME

SUMMARY

Individual pure culture samples of probiotic microorganisms contained in these health formulations were tested for stability under acidic conditions to mimic the extreme fasting pH of the human stomach.

INTRODUCTION

In order to produce beneficial effects within the gastrointestinal tract (GIT), probiotic microorganisms must have the capacity to survive and metabolise in the gut. They must therefore be resistant to GIT levels of acid.

Probiotic formulations also need to contain large numbers of viable organisms (highly concentrated) which, on ingestion, survive the rigorous onslaught of the mammalian upper gut in order to deliver their bacterial content to the small intestine. One of the primary barriers to the passage of bacteria is the acidity of the stomach. The pH of the stomach varies throughout the day under the influence of the buffering action which food or liquid may have on the stomach. However, the fasting pH of the human gut is around pH 3.0.

The amount of time for food to pass through the stomach also varies greatly from a few minutes to an hour or more. The food itself will have some neutralising effect on the pH of the stomach and hence of pH of 3.0 is probably the lowest to which the bacteria will be subjected. In addition the food may also have a physically protective role to play.

The conditions of our laboratory tests will therefore probably be the most vigorous conditions to which the bacteria will be subjected i.e., a pH 2.0 for 2 hours and the results obtained need to be analysed accordingly. It should also be noted that the laboratory conditions (in vitro tests) designed

Microbial strain	pH	
	Control pH 6.8 (CFU/g)	Test pH 2.0 (CFU/g)
Bifidobacterium breve PXN 25	7.30x10 ⁹	3.30x10 ⁹
Bifidobacterium infantis PXN 27 (child-specific)	5.50x10 ⁹	6.60x10 ⁹
Bifidobacterium longum PXN 30	4.50x10 ¹⁰	2.30x10 ¹⁰
Lactobacillus acidophilus PXN 35	1.30x10 ¹¹	2.00x10 ¹¹
Lactobacillus casei PXN 37	9.80x10 ⁹	2.50x10 ¹⁰
Lactobacillus bulgaricus PXN 39	1.80x10 ¹⁰	3.30x10 ¹⁰
Lactobacillus rhamnosus PXN 54	9.10x10 ¹⁰	1.30x10 ¹¹
Streptococcus thermophilus PXN 66	2.30x10 ⁹	1.60x10 ¹⁰

for these tests, whilst attempting to mimic the conditions within the stomach are, in fact, only a simplistic view of what is, in fact, a very complex situation.

When held at a pH of 2.0 for a 2 hour period there is no significant loss in viability / concentration of any of the bacterial strains. The contact time is extreme - a two hour contact time period without any buffering effect of e.g. food or water, before plating out.

CONCLUSIONS:

Total viable bacterial counts do not reduce in viability/concentration after contact with acid of pH 2.0 for 2 hours.

This means that a high concentration of microorganisms survive, which could reach the small intestine and establish themselves as part of the normal microflora. Laboratory tests are not necessarily a reflection of in vivo conditions although the experiments were designed to mimic the situation as closely as possible.

**STOP THAT
BLOATED
FEELING**

**POTENCY
GUARANTEE**

Each vege capsule is guaranteed strength for 12 months from time of manufacture.

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FREQUENTLY ASKED QUESTIONS (FAQS)

Q: WHEN SHOULD PROBIOTICS BE USED?

Probiotic supplements are useful when the balance of good and bad bacteria in the bowel has been disrupted. Such an imbalance almost always occurs in the following situations:

- after use of antibiotics
- following illness
- during and after periods of heightened stress
- as we get older (and our digestive enzymes decrease in amount)
- following travel to a foreign country
- for people who experience regular tummy upsets
- for people who regularly have an urgent need to use the toilet
- for people who have poor digestion.

An imbalance of bowel flora can lead to a number of unpleasant symptoms, such as a bloated stomach, abdominal pains, irregular bowel movements and a feeling of heaviness after eating. Probiotics are recommended for people who wish to ensure or maintain a favourable amount of the friendly bacteria in their digestive tract.

Q: DOES MULTI-FLORA PROBIO NEED TO BE REFRIGERATED?

No. This is not necessary because the probiotic bacteria used in this product are specially coated during the manufacturing process to ensure that they remain stable at room temperature. This is important, because many probiotic products that are kept in the fridge are damaged by the continual opening and closing of the fridge door, which lets in moisture and damages the fragile bacteria.

Q: WHY IS THIS MULTI-STRAIN FORMULA MORE EFFECTIVE THAN A SINGLE STRAIN PRODUCT?

A single species probiotic is simply unlikely to deliver as many benefits as a multi-strain probiotic, which colonises and acts upon multiple locations within the body. There are literally hundreds of different species of good bacteria in our digestive system, so a multi-strain formula will work in more areas and also provide better protection against a wider scope of harmful micro-organisms.

Q: CAN MULTI-FLORA PROBIO SURVIVE THE HIGH ACIDITY OF THE STOMACH?

Yes. All of the bacterial strains in this product are micro-encapsulated, which means that they are protected and able to reach their target location in the body in a viable state.

Q: CAN MULTI-FLORA PROBIO CAPSULES BE PULLED APART AND THE CONTENTS TAKEN IN A DRINK OR ON FOOD?

Yes, if the food or drink in question is consumed within 12 hours, the probiotics' effectiveness will not be affected.

SUGGESTED USAGE

If this live bacteria biotic is taken alone (as opposed to in combination with other digestive health supplements), start off with a higher intake of 3 - 4 capsules, split up throughout the day with food for 2 - 4 weeks. Thereafter, intake to be reduced to 1 capsule, 1 to 2 times per day.

Best results are achieved when: it is combined with other digestive health supplements and intestinal products and is taken continuously for 2 - 3 months, together with improved eating habits.

Does not require refrigeration.