

MultiGen Biotic

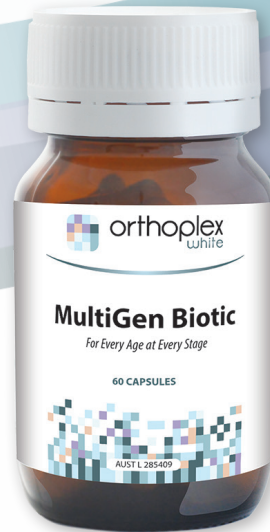
For Every Age at Every Stage

A multi-generational probiotic formula for infants, children, teenagers, pregnancy, adults and the elderly.

Orthoplex White MultiGen Biotic is formulated for all ages and sets a new industry benchmark for incorporating some of the most scientifically-documented strains within a 9-strain 30 billion CFU probiotic formula.

MultiGen Biotic is formulated using novel strains in scientifically-informed dosages to support the health and function of the gastrointestinal and immune systems across the entire lifespan.

- ✓ Featuring *B. longum* BB536, one of the world's most scientifically documented human residential Bifidobacteria strains
- ✓ D-lactate free
- ✓ Magnesium stearate free
- ✓ 30 Billion CFU
- ✓ Suitable for all ages
- ✓ Vegetarian and Vegan-friendly
- ✓ Low excipient
- ✓ Dairy free
- ✓ Clinical practitioners



- ✓ Gluten Free
- ✓ Lactose Free
- ✓ Sugar Free
- ✓ Glucose Free
- ✓ Vegan
- ✓ Vegetarian

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Pack Size: 30 capsules, 60 capsules and 30g oral powder

Recommended Doses:

Infants (3-12 months) & children (1-12 years):

½ capsule daily or ½ scoop daily into liquid or solid food and consume immediately*

Pregnant women, adults (over 12 years old) & the elderly:
1 capsule daily or 1 scoop daily with liquid or as recommended by your registered healthcare practitioner.

*For infant/children dosing scoop powder or open capsule & sprinkle onto food or mix into breast/formula milk.

Storage: Store at 2°C to 8°C (Refrigerate. Do not freeze).



Full disclosure of excipients in every formulation

MultiGen Biotic features strains that are:

- First to Australian clinical practitioners
- Present in over 40 years of research and hundreds of scientific publications
- Naturally found in the gastrointestinal tract of healthy breastfed newborns and infants
- The predominant probiotic in the intestinal tract shortly after birth

Indications

- Contains *Lactobacillus* and *Bifidobacteria* probiotic species which assist in the digestion and absorption of nutrients
- Contains probiotics which may assist in maintaining healthy digestive flora
- Contains probiotics which support the integrity of the digestive tract
- Contains the probiotics *Bifidobacterium infantis*, *Bifidobacterium breve* and *Bifidobacterium longum* which support the health and function of the immune system

Excipients

Microcrystalline cellulose, colloidal anhydrous silica, tapioca starch, calcium phosphate, vegetable capsule (Vcaps®).

Each Capsule/1g Dose Contains	Colony Forming Units	D-Lactate Free
<i>Bifidobacterium longum</i> BB536	5 Billion CFU	✓
<i>Bifidobacterium breve</i> M-16V	3 Billion CFU	✓
<i>Bifidobacterium infantis</i> M-63	500 Million CFU	✓
<i>Bifidobacterium lactis</i> Bi-04	2 Billion CFU	✓
<i>Bifidobacterium lactis</i> HN019	2 Billion CFU	✓
<i>Lactobacillus rhamnosus</i> HN001	6 Billion CFU	✓
<i>Lactobacillus paracasei</i> Lpc-37	5.5 Billion CFU	✓
<i>Lactobacillus salivarius</i> Ls-33	3 Billion CFU	✓
<i>Lactobacillus casei</i> Lc-11	3 Billion CFU	✓

Total CFU: 30 Billion CFU

Warnings

If symptoms persist, seek the advice of a healthcare professional.

Technical Information



MultiGen Biotic is a specialised multi-strain probiotic blend of Bifidobacteria and Lactobacillus strains formulated for use across the entire lifespan. MultiGen Biotic features industry-first probiotic strains, with two strains alone documented in over 140 scientific publications and one prescribed in over 100 hospitals internationally and in Australia.

Introducing *B. longum* BB536, *B. breve* M-16V, and *B. infantis* M-63: An industry-first triad of human strain Bifidobacteria

In order to provide an evidence-based approach to gastrointestinal and immunological support through modulation of the gastrointestinal microbiota, three bifidobacteria strains, *B. longum* BB536, *B. breve* M-16V and *B. infantis* M-63, were individually selected for MultiGen Biotic. Each of these novel strains delivers unique **strain-specific actions** creating a trio that exhibits desirable clinical outcomes.

Bifidobacterium longum BB536: The All-rounder

Bifidobacterium longum BB536 is a human strain that was first isolated from a healthy infant in 1969. Since its discovery, *B. longum* BB536 has been trialled in over **100 scientific studies**, ranging from studies in infants, children, pregnant women and adults to the elderly. The broad immunological effects of *B. longum* BB536 are responsible for its variety of different clinical applications.

Bifidobacterium breve M-16V: The Medical Interventionist

Bifidobacterium breve M-16V has been scientifically documented in studies involving both adults and infants. It has also been prescribed to neonates in over 100 hospitals internationally including Australia. Recently, *B. breve* M-16V was involved in a trial considered to be a **"landmark achievement in the history of Australian neonatology"**, whereby a human Bifidobacterial species found naturally in the infant intestine was supplemented in a hospital setting.¹

Bifidobacterium infantis M-63: The Enabler

Bifidobacterium infantis M-63 is of utmost value in MultiGen Biotic due to its ability to **enhance the colonisation** of both *B. longum* BB536 and *B. breve* M-16V. In this way *B. infantis* M-63 becomes an enabler of enhanced gastrointestinal colonisation of these 2 incredibly broad-application strains. Compared with the administration of a single strain, administration of these three Bifidobacteria strains together resulted in an earlier colonisation of Bifidobacteria and maintenance of this microbiota.²

The classics: Well-renowned established strains

Alongside this novel blend of Bifidobacteria strains, MultiGen Biotic also contains well-established strains such as *Lactobacillus rhamnosus* HN001, *Lactobacillus salivarius* Ls-33, and *Lactobacillus casei* Lc-11. All of these strains are known for their **specific and unique uses in the gastrointestinal and immune systems** throughout the age groups. *L. salivarius* Ls-33 in particular is a **species of probiotic found in breast milk**.

MultiGen Biotic also contains novel strains such as *Lactobacillus paracasei* Lpc-37, *Bifidobacterium lactis* HN019, and *Bifidobacterium lactis* Bi-04. These strains exhibit multiple various effects, rounding off the applications available for MultiGen Biotic.

MultiGen Biotic is an innovative formulation suitable for prescription to infants, children, teenagers, pregnant and breastfeeding women, adults and the elderly. MultiGen Biotic is a well-researched and highly commendable formula, combining renowned and broadly applicable strains with cutting edge strains available in today's research.

The PANTS Trial: M-16V clinical trial labelled as a **"landmark achievement in the history of Australian neonatology"**

The Department of Neonatal Paediatrics at King Edward Memorial Hospital in Perth recently trialled **3 billion CFU** of Bifidobacterium breve M-16V in neonates. The PANTS trial concluded that the strain was well-tolerated and showed an affinity for colonising the infant's gastrointestinal tract, with detectable elevations of bifidobacteria seen in the treatment group when compared to the placebo group.¹

References available upon request.