

MultiGen Biotic

A Multi-generational Probiotic

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
- ✓ Suitable for all ages
- ✓ Low excipient
- ✓ Clinical practitioners

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

- Maintains beneficial bacterial adherence to intestinal mucosa
- Supports gastrointestinal mucosal membrane health
- Maintains healthy gastrointestinal function when travelling
- Supports healthy immune system function, including in infants

Excipients

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

Warnings

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

Contraindications

None

Suitable in pregnancy & lactation

Information taken from Natural Medicines Database and accurate as of September 2019



- ✓ Gluten Free
- ✓ Dairy Free
- ✓ Egg Free
- ✓ Soy Protein Free
- ✓ Vegan
- ✓ Vegetarian

AUST L 285409 capsules / L 232387 powder

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 and children dosing open the capsule and mix into liquid or solid foods and consume immediately.*

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



Full disclosure of excipients in every formulation

| 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 Colony Forming Units: | 30 billion CFU | |

Please note Orthoplex White products can only be purchased if you are an Orthoplex White approved customer. This medicine may not be right for you. Read the warnings before purchase. If symptoms persist talk to your health professional.



www.bioconcepts.com.au



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.