



**Biotic Jnr.™ is a scientifically formulated multi-species probiotic preparation to promote gastrointestinal and immune maturation. Lactoferrin provides broad spectrum anti-microbial and anti viral activity.<sup>1,2</sup>**

The chosen probiotic species have demonstrated ability to maintain healthy digestive function, growth, development and immunological tolerance that may assist in the management of allergies including eczema.<sup>2-6</sup> Lactoferrin is naturally found in colostrum and human milk and is a component of the innate immune response providing broad-spectrum anti-microbial activity.<sup>1,2</sup>

**The ingredients in Biotic Jnr.™ have been demonstrated as safe for infants and toddlers.**



FOR PROFESSIONAL USE ONLY  
CMI'S IN 8 LANGUAGES

**Biotic Jnr.™ is an evidence-based formula designed to:**

- Assist in the management and provide relief of symptoms of eczema<sup>6</sup>
- Support healthy digestive function<sup>3</sup>
- Assist in the management of allergies<sup>5,6</sup>
- Aid in the maintenance and improvement of general wellbeing<sup>2-4</sup>
- Help to maintain immune function<sup>3-7</sup>
- Relieve symptoms of diarrhoea<sup>3</sup>

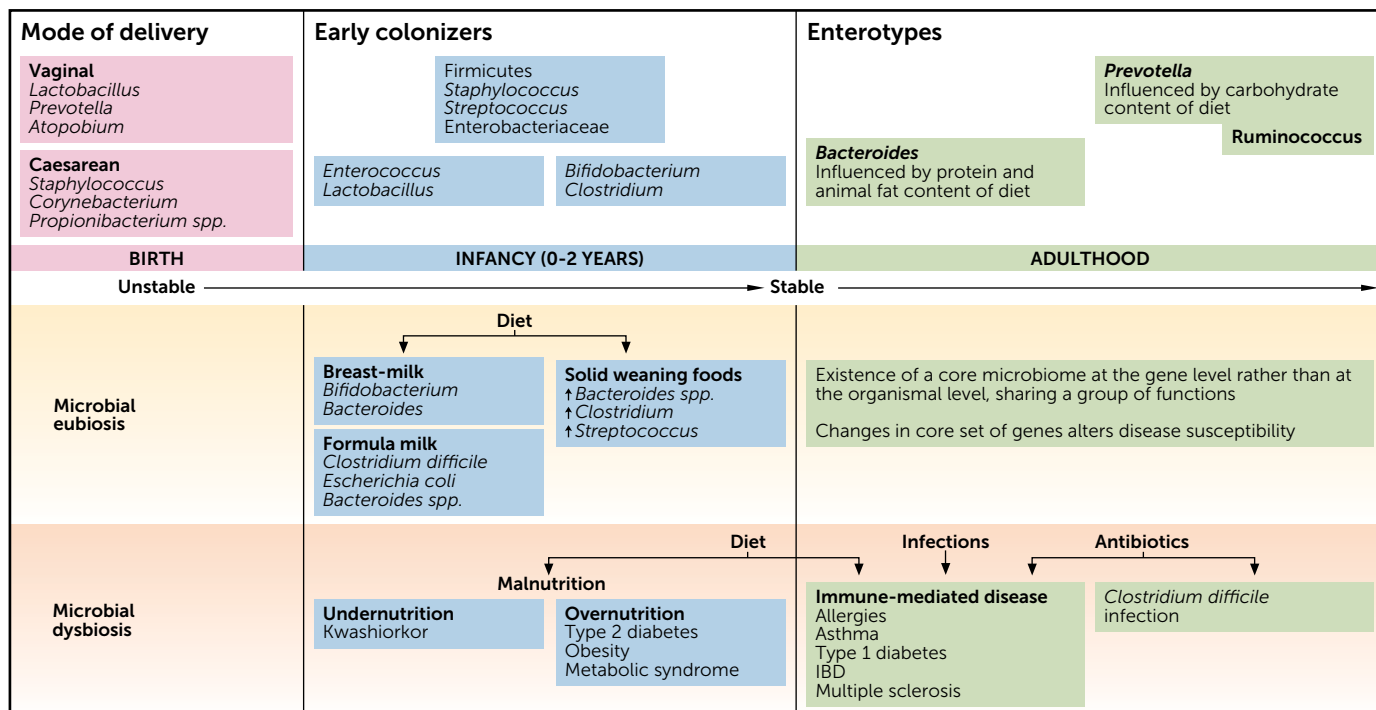
**Who will benefit from Biotic Jnr.™:**

- Suitable for pregnant women
- Suitable for breast-fed and formula fed infants
- Suitable for toddlers and older children

UNFLAVOURED 60 g POWDER  
CONTAINS NO ARTIFICIAL COLOURS,  
FLAVOURS OR SWEETENERS



## Diet, Gut Microbiota and Dysbiosis.



Several features regulate the establishment and composition of the microbiota and their effect on the health and immune function of the host. Eubiosis or a normal microflora structure that protects against infections educates the immune system and contributes to nutrient digestion. Energy harvest is established by early intestinal colonization with specific microbes immediately after birth. An ordered process of subsequent colonization and expansion shaped by diet results in the establishment of distinct 'enterotypes', or clusters of microbial communities, that remains fairly stable in adults. Perturbations in the microbial community structure or dysbiosis are induced by factors such as diet, use of antibiotics or infection, which can alter susceptibility to several diseases. (Jain & Walker. *Nat Rev Gastroenterol Hepatol* 2015; 12:14-25).

### ACTIVE INGREDIENTS:

Each 500 mg dose (1 scoop) contains:	
<i>Bifidobacterium infantis</i> (Med 14)	500 million
<i>Bifidobacterium longum</i> (Med 15)	500 million
<i>Lactobacillus rhamnosus</i> (Med 26)	500 million
<i>Streptococcus thermophilus</i> (Med 51)	500 million
<i>Saccharomyces cerevisiae ssp. boulardii</i> (Med 41)	500 million
Glycomax™ Lactoferrin	50 mg

**Total** 2.5 billion CFU\*

\*CFU: Colony Forming Units

**Excipients:** Inulin

### DOSAGE GUIDELINES:

Add 500 mg of powder (1 scoop) to liquid or solid foods, one (1) to two (2) times per day or as directed by your health professional. Always read the label. Use only as directed.

**AUST L 239097**

**WARNING:** If symptoms persist consult your healthcare practitioner. If diarrhoea persists for more than 6 hours in infants under 6 months, 12 hours in children under 3 years, 24 hours in children aged 3-6 years or 48 hours in adults and children over 6 years, seek medical advice. Lactoferrin contains less than 0.1% Lactose. Derived from cow's milk.

### REFERENCES:

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- Pammi M, Abrams SA. Oral lactoferrin for the prevention of sepsis and necrotizing enterocolitis in preterm infants. *Cochrane Database Syst Rev* 2015;2.
- Turroni F, et al. Diversity of Bifidobacteria within the infant gut microbiota. *PLoS ONE* 2012;7:e36957.
- Walker WA, Iyengar SR. Breast milk, microbiota, and intestinal immune homeostasis. *Pediatr Res* 2015;77:220.
- Jain N, Walker WA. Diet and host-microbial crosstalk in postnatal intestinal immune homeostasis. *Nat Rev Gastroenterol Hepatol* 2015;12:14.
- Osborn DA, Sinn JKH. Prebiotics in infants for prevention of allergy. *Cochrane Database Syst Rev* 2013;3.
- Alfaleh K, Anabrees J. Probiotics for prevention of necrotizing enterocolitis in preterm infants. *Cochrane Database Syst Rev* 2014;4.

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