

# SP Children's™ Immune

Available Size:  
16000 | 60 Chewable Wafers

IMMUNE  
SUPPORT



- Supports the immune system\*
- Is an excellent source of vitamin D, zinc, and antioxidant vitamin C
- Contains prebiotic 2'-FL and bovine colostrum
- Made from whole food-based ingredients
- Chewable supplement
- Draws flavor from organic ingredients: elderberry and whole strawberry

GF

NON  
SOY

## Supplement Facts

Serving Size: 2 Wafers  
Servings per Container: 30

|  | Amount per Serving | %Daily Value |
|--|--------------------|--------------|
| Vitamin C  | 25 mg              | 28%          |
| Vitamin D  | 15 mcg             | 75%          |
| Zinc   | 6 mg               | 55%          |
| 2'-Fucosyllactose  | 1200 mg            | †            |
| Colostrum (bovine)   | 500 mg             | †            |
| Proprietary Blend  | 426 mg             | †            |
| Organic strawberry fruit powder, organic elderberry fruit powder, organic guar fiber, organic beet (root), and monk fruit extract. |                    |              |

†Daily Value not established.

Other Ingredients: Organic camu camu (berry), organic manioc (root), zinc amino acid (rice) chelate, calcium stearate, acacia fiber, and cholecalciferol.

Contains: Milk.

**Warning:** Keep out of reach of children.

02

## Vitamin C, Vitamin D, Zinc, and the Immune System

The immune system is responsible for keeping out foreign substances, protecting the body, and helping maintain wellness throughout a person's lifespan. When nutrition is poor, a healthy immune response can be compromised.<sup>1</sup> On the other hand, consuming adequate amounts of essential nutrients is crucial for the immune response's function and development.<sup>1</sup>

Certain micronutrients — such as vitamin C, vitamin D, and zinc — are vitally important for the immune system throughout all life stages, including childhood.<sup>1</sup> **SP Children's™ Immune** is an excellent source of all three.

**Vitamin C** helps support immune system defense by:

- Enhancing innate immune pathways<sup>2</sup>
- Enhancing phagocytosis<sup>2</sup>
- Supporting adaptive immunity through differentiation and proliferation of B- and T- lymphocytes<sup>2</sup>
- Contributing to the body's antioxidant system<sup>2</sup>

**Vitamin D** is an essential component of a child's immune system and assists immune function by:

- Serving as a regulator of healthy immune function<sup>1</sup>
- Promoting phagocytosis and superoxide synthesis<sup>1</sup>

**Zinc** is especially important for children, where adequate status helps the body during immune system challenges.<sup>3</sup> It also:

- Plays a role in both innate and adaptive immune responses<sup>1</sup>
- Assists in DNA synthesis, cellular growth, cell differentiation, antioxidant function, and immune cell function<sup>4-9</sup>

## Contains Prebiotic 2'-FL

The largest immune organ in the body is the GI tract. Its barrier function is a key immune function, and it is where a substantial amount of immune cells are housed.<sup>10</sup>

**SP Children's™ Immune** contains 2'-FL: a novel prebiotic carbohydrate that is derived from a microbial fermentation process to be structurally equivalent to human milk. Because it is able to resist digestion, it can effectively reach the lower GI tract<sup>11-14</sup> where it is broken down to feed the growth of beneficial microbes.<sup>13-18^A</sup>

## Colostrum for Dietary Immunoglobulins

**SP Children's™ Immune** contains 500mg of bovine colostrum, standardized to deliver concentrated immunoglobulins (specifically IgGs) from a whole food source (cow's milk).

As part of the immune system, immunoglobulins support a normal, healthy immune response in the GI tract.<sup>19</sup> As dietary additions, these have been used as nutritional support for the immune system in the gastrointestinal tract.<sup>20</sup> Studies in children have used formulations with bovine colostrum to provide immune system support.<sup>21,22</sup>



<sup>A</sup>To date, shown in multiple animal studies, infants, and one adult human study.

## Scientifically Driven. Practitioner Backed. Kid Approved.

Driven by the same safety, purity, and efficacy standards that go into our high-quality adult supplements, **SP Children's™** products are specifically formulated to address the unique needs of young bodies. We utilize organic farming practices and cutting-edge manufacturing methods to ensure that our products deliver vital nutrients in a tasty form.

### REFERENCES

1. Calder PC. Proc Nutr Soc. 2013 Aug;72(3):299-309. doi: 10.1017/S0029665113001286.
2. Carr AC, Maggini S. 2017;9(11):1211. doi: 10.3390/nu9111211.
3. Bhatnagar S, Natchu UCM. 2004;71(11):991-5. doi: 10.1007/BF02828114.
4. Shankar AH, Prasad AS. 1998;68(2 Suppl):447s-63s. Epub 1998/08/13. doi: 10.1093/ajcn/68.2.447s.
5. Rink L, Gabriel P. 2000;59(4):541-52. Epub 2000/01/11. doi: 10.1017/s0029665100000781.
6. Gao H, Dai W, Zhao L, Min J, Wang F. 2018;2018:6872621. Epub 2019/01/10. doi: 10.1155/2018/6872621.
7. Maywald M, Wessels I, Rink L. 2017;18(10). Epub 2017/10/25. doi: 10.3390/ijms18102222.
8. Wessels I, Maywald M, Rink L. 2017;9(12). Epub 2017/12/01. doi: 10.3390/nu9121286.
9. Maggini S, Pierre A, Calder PC. 2018;10(10):1531. doi: 10.3390/nu10101531.
10. Di Bartolomeo F, Startek JB, Van den Ende W. 2013;27(10):1457-73. doi: 10.1002/ptr.4901.
11. Milani C, Duranti S, Bottacini F, Casey E, Turrioni F, Mahony J, et al. MMBR. 2017;81(4):e00036-17. doi: 10.1128/MMBR.00036-17.
12. Underwood MA, Gaerlan S, De Leoz MLA, Dimapasoc L, Kalanetra KM, Lemay DG, et al. 2015;78(6):670.
13. Elson E, Vignsnaes LK, Rindom Krogsgaard L, Rasmussen J, Sorensen N, McConnell B, et al. 2016;116(8):1356-68. Epub 2016/10/22. doi: 10.1017/S0007114516003354.
14. Iribarren C, Törnblom H, Aziz I, Magnusson MK, Sundin J, Vignsnaes LK, et al. 2019;156(6):S-242. doi: 10.1016/S0016-5085(19)37409-8.
15. Bai Y, Tao J, Zhou J, Fan Q, Liu M, Hu Y, et al. 2018;3(6):e00206-18. doi: 10.1128/mSystems.00206-18.
16. Sela DA, Mills DA. 2010;18(7):298-307. Epub 04/19. doi: 10.1016/j.tim.2010.03.008.
17. Matsuki T, Yahagi K, Mori H, Matsumoto H, Hara T, Tajima S, et al. 2016;7:11939-. doi: 10.1038/ncomms11939.
18. Asakuma S, Hatakeyama E, Urashima T, Yoshida E, Katayama T, Yamamoto K, et al. 2011;286(40):34583-92. Epub 08/09. doi: 10.1074/jbc.M111.248138.
19. Lefranc M-P, Lefranc G. 2001. Academic Press; 2001.
20. Gapper LW, Copestake DEJ, Otter DE, Indyk HE. 2007;389(1):93-109. doi: 10.1007/s00216-007-1391-z.
21. Patroglu T, Kondolot M. 2013;7(1):21-6. Epub 2011/08/02. doi: 10.1111/j.1752-699X.2011.00268.x.
22. Ulfman LH, Leusen JHW, Savelkoul HFJ, Warner JO, van Neerven RJJ. 2018;5:52-. doi: 10.3389/fnut.2018.00052.



standardprocess.com

\*These statements have not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, cure, or prevent any disease.