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NuraLac











The addition of prebiotics in infant formula alters the GI microbiota resembling that of breastfed infants¹

GOS is one of the most common prebiotics²

Prebiotics "GOS" supplemented formula shows a spectrum of benefits:



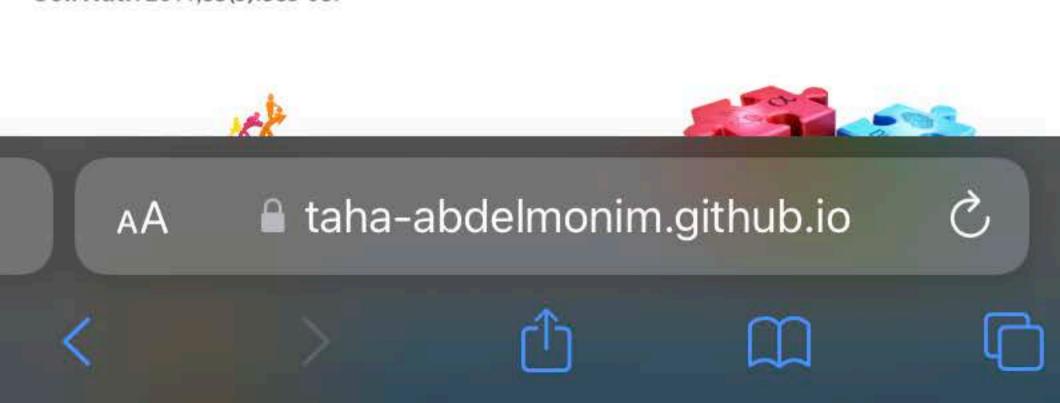
Better stool consistency. 1,3



Higher concentration of bifidobacteria compared to infants on a non-supplemented standard formula.¹

GI: Gastrointestinal; GOS: Galacto-oligosaccharides.

- Vandenplas Y, De Greef E, Veereman G. Prebiotics in infant formula. Gut Microbes. 2014;5(6):681-687.
- 2. Davani-Davari D, Negahdaripour M, Karimzadeh I, et al. Prebiotics: Definition, Types, Sources, Mechanisms, and Clinical Applications. Foods . 2019;8(3):92.
- 3. Giovannini M, Verduci E, Gregori D, et al. Prebiotic Effect of an Infant Formula Supplemented with Galacto-Oligosaccharides: Randomized Multicenter Trial. *J Am Coll Nutr.* 2014;33(5):385-93.





alters the GI microbiota resembling that of breastfed infants¹

GOS is one of the most common prebiotics2

Prebiotics "GOS" supplemented formula shows a spectrum of benefits:



Higher concentration of bifidobacteria compared to infants on a non-supplemented standard formula.¹



Lower risk rates of colic and regurgitation.³

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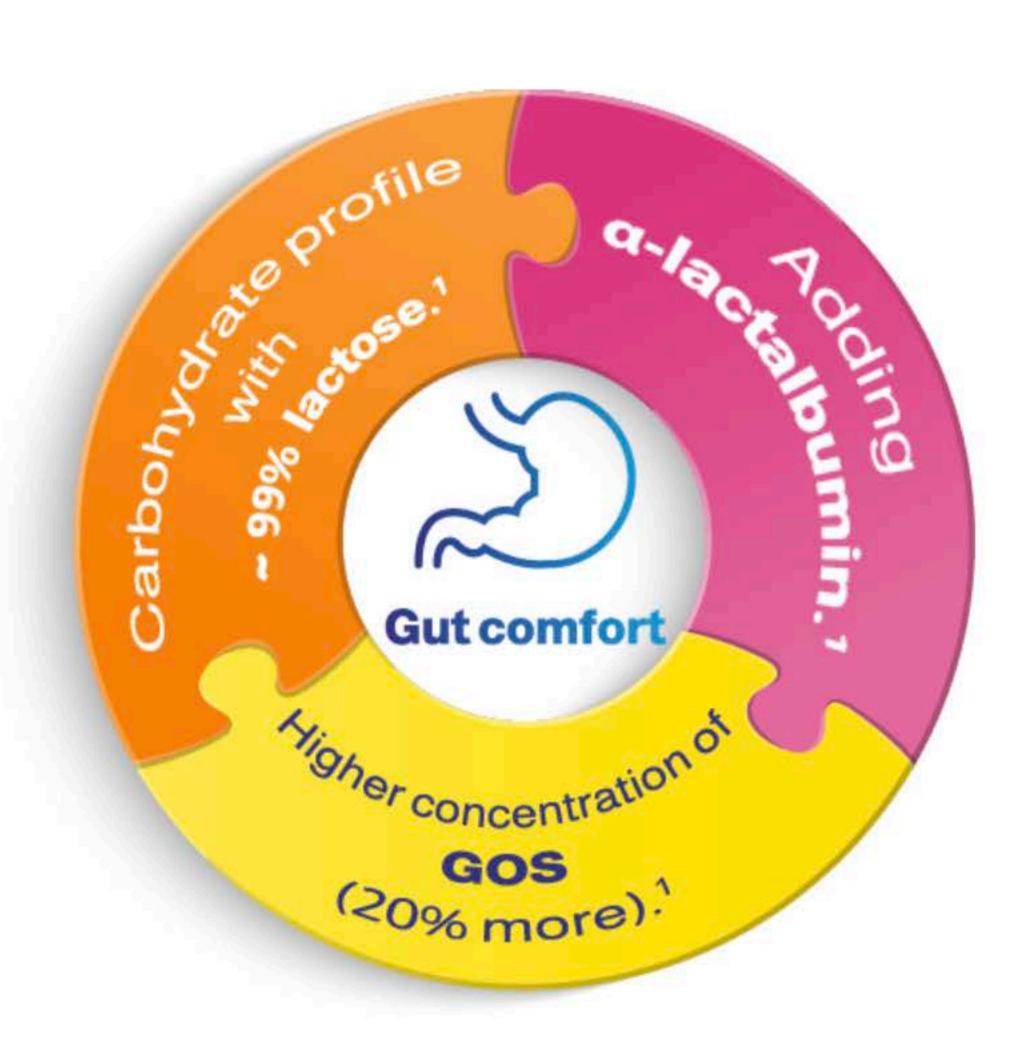








Nuralac[®] advanced formula supports gut comfort by offering...



GOS: Galacto-oligosaccharide.

1. Nuralac® Labeling Information.





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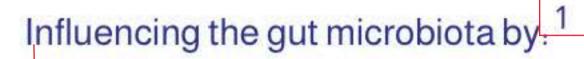


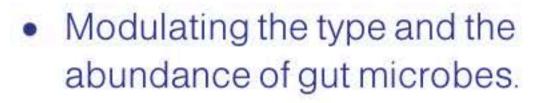




mega-3 PUFAs "DHA" participates in regulating gut immunity and in maintaining gut homeostasis 1

Role of omega-3 PUFAs "DHA" in improving intestinal immunity:





- Altering the levels of proinflammatory mediators.
- Regulating the levels of shortchain fatty acids or shortchain fatty acid salts.



Omega-3 PUFAs exert their beneficial effects on health, brain functions, and behavior by influencing gut microbiota composition and, thus, gut-brain axis functionality. ²



1. Fu Y, Wang Y, Gao H, et al. Associations among Dietary Omega-3 Polyunsaturated Fatty Acids, the Gut Microbiota, and Intestinal Immunity. Mediators *Inflamm*. 2021;2021:8879227.

2. Costantini L, Molinari R, Farinon B, Merendino N. Impact of Omega-3 Fatty Acids on the Gut Microbiota. *Int J Mol Sci.* 2017;18(12):2645.

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mega-3 PUFAs "DHA" participates in regulating gut immunity and in maintaining gut homeostasis 1

Role of omega-3 PUFAs "DHA" in improving intestinal immunity:



functionality. 2



Reducing the intestinal epithelial cell damage.¹



ncreasing intracellular mitochondrial activity and cell membrane integrity.¹

PUFAs: Polyunsaturated fatty acids; DHA: Docosahexaenoic acid.

1. Fu Y, Wang Y, Gao H, et al. Associations among Dietary Omega-3 Polyunsaturated Fatty Acids, the Gut Microbiota, and Intestinal Immunity. Mediators *Inflamm*. 2021;2021:8879227.

2. Costantini L, Molinari R, Farinon B, Merendino N. Impact of Omega-3 Fatty Acids on the Gut Microbiota. *Int J Mol Sci.* 2017;18(12):2645.







Nuralac® advanced formula supports immunity by offering...



Immunity

Higher concentration of **GOS** (20% more).1



Adding the most abundant HMO in breast milk (2'-FL).1

Almost the highest level of GOS+2'-FL combined vs. competitors (0.43 g/100 ml)

DHA: Docosahexaenoic acid; GOS: Galacto-oligosaccharide; HMOs: Human milk oligosaccharides; 2'-FL: 2'Fucosyllactose.

1. Nuralac® Labeling Information.





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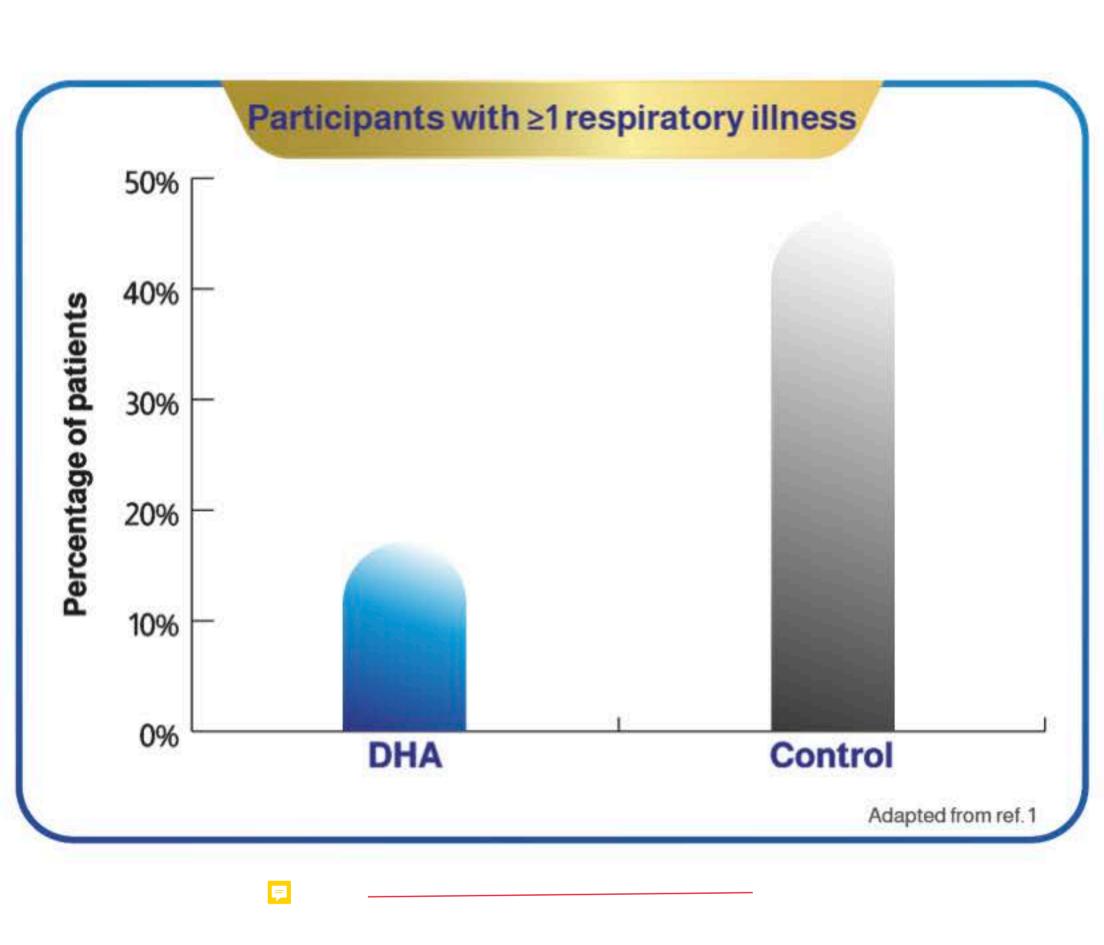








Infant formula with DHA supplement significantly decreases respiratory illness¹



DHA: Docosahexaenoic acid.

 Minns LM, Kerling EH, Neely MR, et al. Toddler formula supplemented with docosahexaenoic acid (DHA) improves DHA status and respiratory health in a randomized, double-blind, controlled trial of US children less than 3 years of age. Prostaglandins Leukot Essent Fatty Acids. 2010;82(4-6):287-93.





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■ WhatsApp



Nuralac® advanced formula supports growth by offering...



Growth

Higher concentration of **GOS** (20% more).1



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Almost the highest level of GOS+2'-FL combined vs. competitors (0.43 g/100 ml)



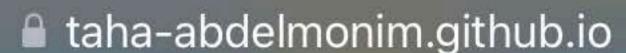
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1. Nuralac® Labeling Information.





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Nuralac[®] advanced formula is brought to you by quality makers "Almarai" with the highest quality standards



- GMO free.
- Free from heavy metals and insecticides.
- Highest hygienic standards with consistently low microbial count.
- Quality control with 4,500 steps of quality checking.

GMO: Genetically modified organism.









Growth



Summary

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Nuralac[®]: Nurturing growth with every scoop

- · Got closer to breast milk content.
- Offers superior gut comfort.
- Enhances the immunity by a blend of components.
- Supports optimum growth and development.







