

Human Milk Oligosaccharides Market Size, Share & Trends Analysis Report By Type (2'FL, 3'FL, 3'SL, 6'SL, LNT), By Application (Infant Formula), By Region, And Segment Forecasts, 2024 - 2030

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Abstracts

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Human Milk Oligosaccharides Market Growth & Trends

The global human milk oligosaccharides market size is expected to reach USD 732.23 million by 2030, registering a CAGR of 13.8% from 2025 to 2030, according to a new report by Grand View Research, Inc. The market growth is primarily driven by the rising demand for dietary supplements and an increasing awareness among consumers regarding the significance of gut health. Human milk oligosaccharides (HMOs) are crucial in maintaining gut health as they act as prebiotics in the human body. By promoting the growth of beneficial bacteria, particularly bifidobacteria, in the gut, HMOs enhance metabolic activity and contribute to overall well-being. The increasing recognition of HMO benefits continues to drive market growth.

Moreover, the antimicrobial protection and prebiotic properties of HMOs make them versatile ingredients that can be incorporated into various food products, such as infant formulas, pharmaceuticals, and functional foods, driving their demand. The market for HMOs is further bolstered by their essential role in infant nutrition, brain development, memory enhancement, and disease prevention. Furthermore, advancements in synthetic production methods have expanded the availability of HMOs beyond breast milk, catering to situations where breastfeeding may not be feasible. As consumer awareness continues to rise and demand for prebiotic-rich products escalates, the market for human milk oligosaccharides is expected to witness

sustained growth driven by their unique health benefits across different age groups.

Human Milk Oligosaccharides Market Report Highlights

2'FL HMOs held a share of 44.6% in 2023 due to the high demand for infant formula and other breast milk substitutes and a rise in regulatory approvals

The DFL segment is expected to witness a CAGR of 20.0% from 2024 to 2030. This can be attributed to growing research and developments regarding the potential health benefits of DFL in infants and adults

The infant formula segment held a share of 90.7% in 2023. The demand for HMOs in designing infant formulas is increasing due to their beneficial properties, such as improving gut health, memory enhancement, brain development, prevention of infection, and prebiotic effects

The dietary supplements segment is anticipated to witness a CAGR of 18.3% from 2024 to 2030. The growing interest in personalized nutrition drives the demand for HMOs in dietary supplements, the desire for natural and functional ingredients, and the recognition of the importance of early-life nutrition

In 2023, Europe held a market share of 78.5%. The European market is characterized by a growing number of parents opting for products enriched with HMO, driven by the understanding that HMOs mimic the composition of human breast milk, thereby offering numerous health benefits to infants

Asia Pacific is expected to grow at a CAGR of 20.5% from 2024 to 2030. The demand for high-nutrition foods and better digestive health are driving the regional market

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