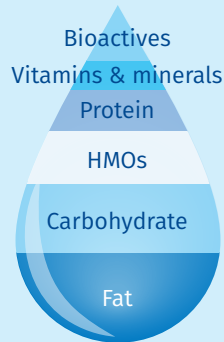


10 Facts about Human Milk Oligosaccharides

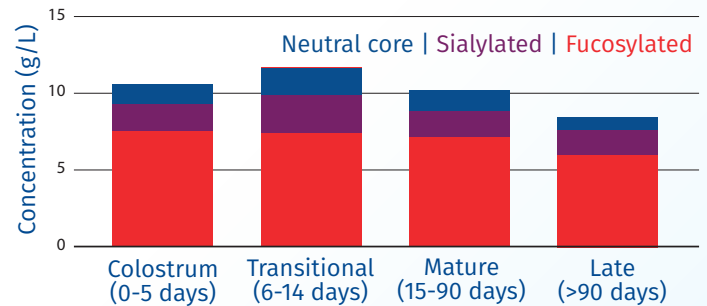
1

HMOs are the **3rd** most abundant solid component of Human Milk¹



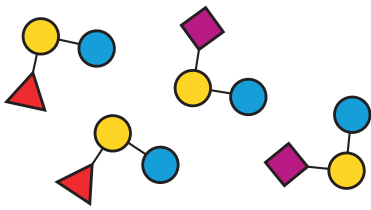
2

Human milk is dynamic and **HMO composition varies across lactation** according to the needs of the child.²



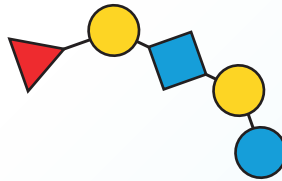
3

HMOs are diverse with **over 200 identified** in Human Milk.²



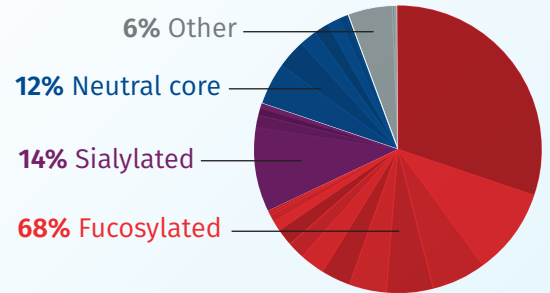
4

HMOs have **complex structures** that make them unique.^{3,4}



5

Most **HMOs fall into 3 major classes**, all found in Human Milk.^{3,4}



6

As part of a healthy early life nutrition, HMOs are known to **support infant growth and development**.¹

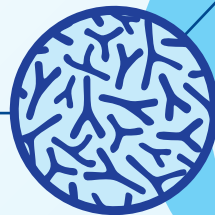


7

They help **build a strong and healthy gut**.⁵

8

HMOs **promote the growth of bifidobacteria** and other commensal bacteria.⁶



9

Some HMOs supply **building blocks for the brain**.⁷

10

HMOs may support the immune system and clinical data suggests that HMOs reduce incidents of bronchitis and reduce upper respiratory tract infections.⁸⁻¹⁰

DSM leads the way in HMO innovation by making diverse HMOs available around the world.

At DSM we pioneer on HMO science for brighter living.

1. Jantscher-Krenn & Bode 2012; 2. Soyylmaz et al 2021; 3. Soyylmaz et al 2022 (unpublished); 4. Bode 2015 5. Berger 2020; 6. Alliet et al 2022; 7. Wang 2019; 8. Goehring et al 2016; 9. Vandenplas et al 2022; 10. Puccio et al 2017.

For more information please visit our website:
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