


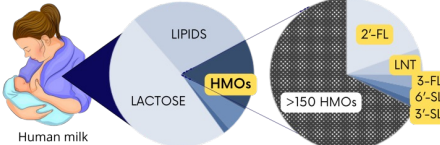
Quantification and removal of antifoam in downstream processing in HMO production

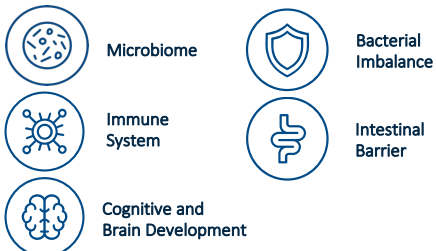
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Helix Lab

Introducing HMOs

- Human milk oligosaccharides (HMOs)

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- Chr Hansen produces 5 most abundant HMOs for the infant formula
- HMO health benefits:



Project goals

- Antifoam removal in microfiltration (MF) step
- Quantification of antifoam via LCK433 Hach Lange kit

Methods

- Feedback from experts on challenges in downstream processing
- Investigation of antifoam removal via vibrational membrane filtration
- Non ionic tenside LCK433 kit
- Turbidity measurements

Outcome

- Successful removal of antifoam in MF
- The investigated method was not sufficient for this purpose

Being a Helix Lab Fellow

- Networking and socialising with other Fellow
- Insight into industry complexities
- Newest lab equipment
- Advices and support from the Helix Lab and companies
- Job opportunities
- Easier transition to a full-time job

