ACCELERATING THE CULTURED MEAT REVOLUTION

Aarhus 26-09-23 Nordic Virtual Pastures



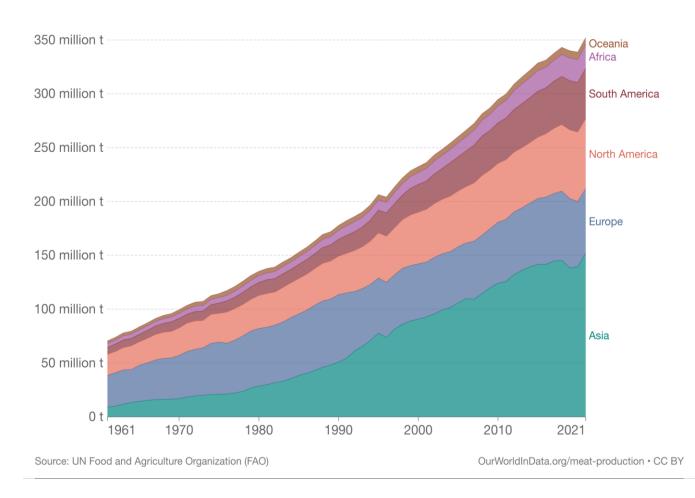






Consumer Habits Are Changing

People are getting richer and global meat consumption has increased dramatically from 1961 to 2021.







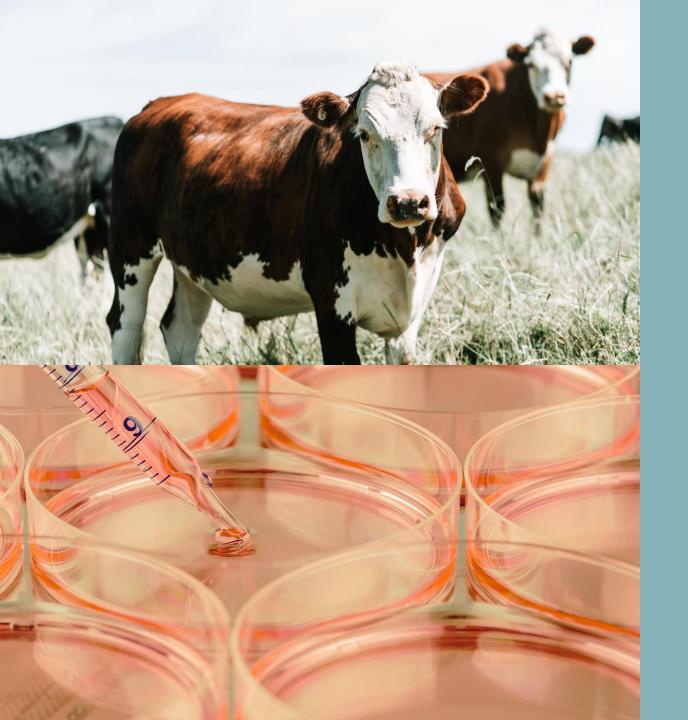
The Challenge to Replace Meat

How can we replace meat without compromising on taste and nutrition?

Cultivated meat.





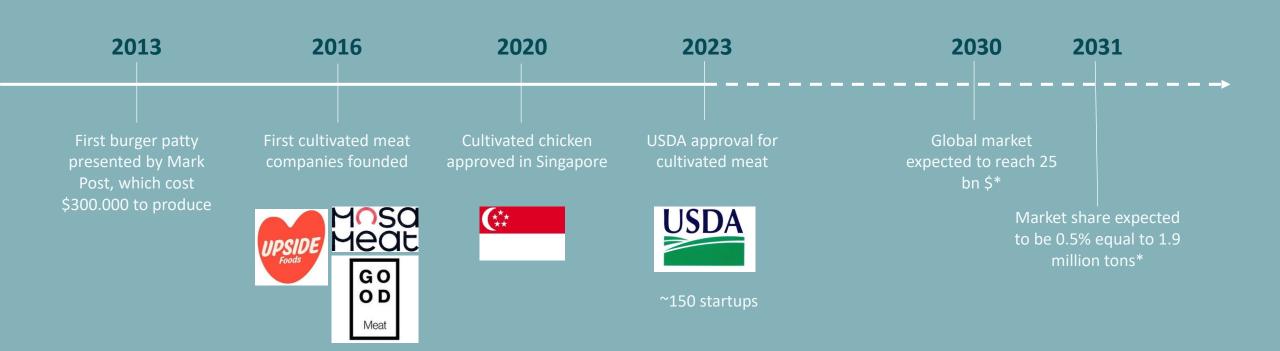


Cultivated meat

The cultivated meat industry could reach a value of €25 bn in 2030.



The Cultivated Meat Industry



^{*}Brennan, T., Katz, J., & Spencer, B. (2021). Cultivated meat: Out of the lab, into the frying pan. https://www.mckinsey.com/industries/agriculture/our-insights/cultivated-meat-out-of-thelab-into-the-frying-pan





The Need

Cultivated meat will need 20 bn L of cell culture medium annually in 2030.

Our Solution

Utilising nature's own ingredients to produce a cost-effective and sustainable cell culture medium.





NVP is an Enabler of sustainable and real meat, no animals slaughtered



Creating growth media from industry waste-streams of biomass.

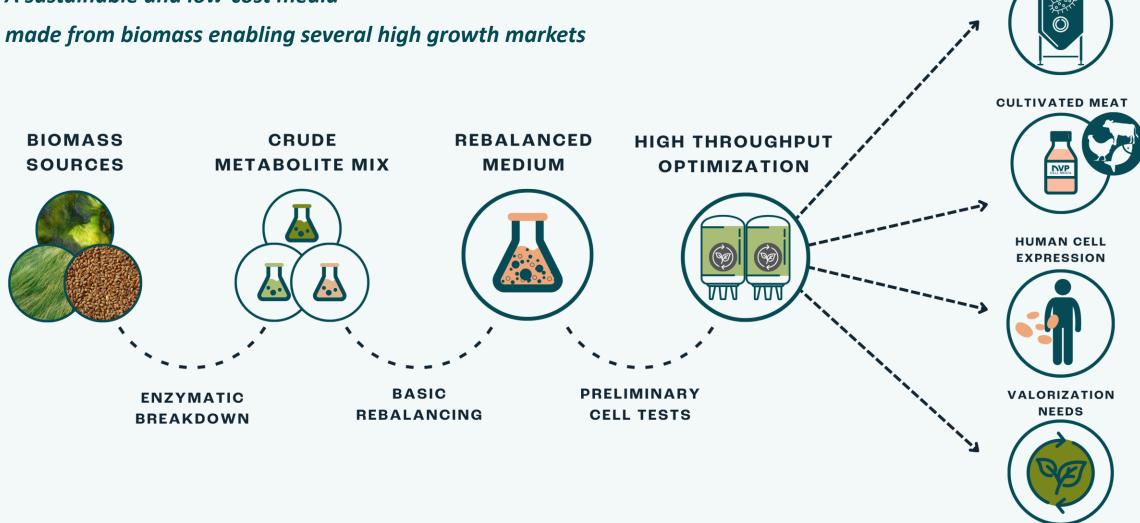
- Reinventing the supply chain for cultivated meat.
- Enabling price parity.
- 3 Leveraging the exponential market growth.

Producing low-cost Virtual Media™ at scale from 2027 to fulfill the demand for cell culture media



Our Product

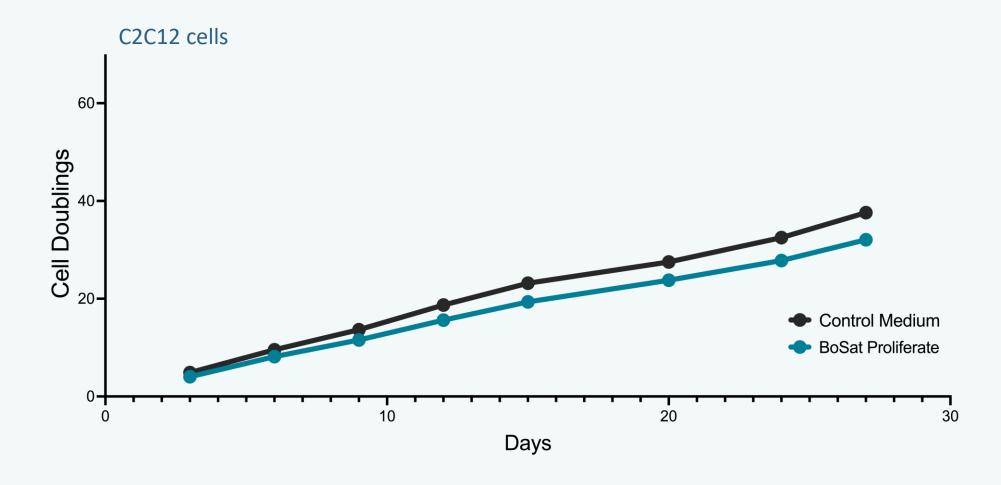
A sustainable and low-cost media



PRECISION FERMENTATION



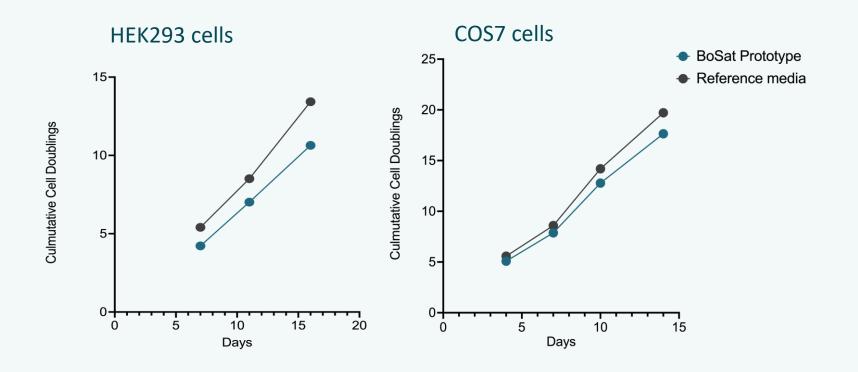
Competitive Performance





Industrial Cell Lines

Medical research and therapeutic solutions



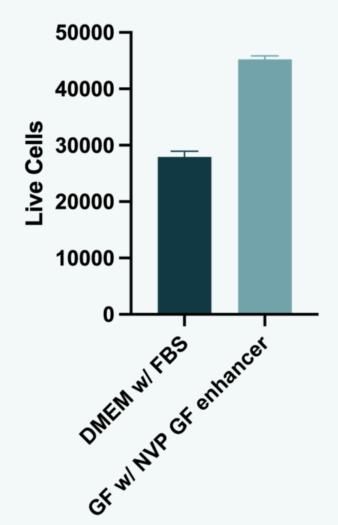
Broadening our market reach to other markets than cultivated meat.

Industrial cell lines can proliferate well in our BoSat Prototype media.



NVP growth factor enhancer

Bovine Satellite Cells



NVP's mix outperforms commercially available media on cell growth.

Bovine Satellite Cells cultivated in serum-free media with NVP's own growth factor booster.



State of the Industry

FDA and USDA have Recently Approved Cultivated Meat

Upside Foods received FDA Approval for cultivated chicken November 17, 2022



"Lab-Grown Meat Receives Clearance From F.D.A." Nov. 17 2022

As well as USDA approval June 21, 2023

Now served at 'Bar Crenn' a restaurant in San Fransico





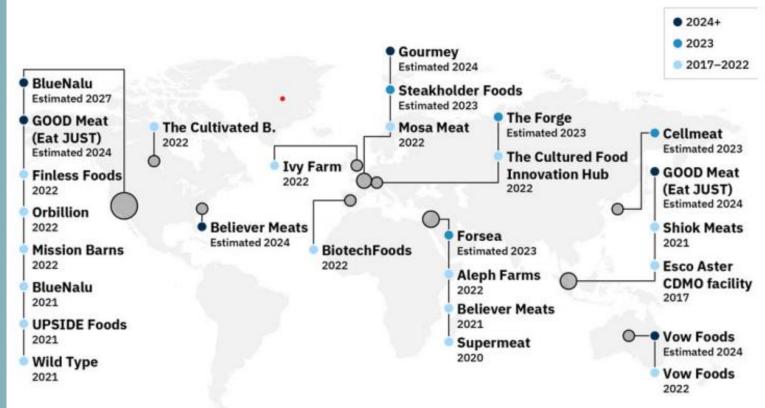
State of the industry scale-up

There are currently 18 operational facilities dedicated to cultivated meat & seafood

An increasing number of enablers like NVP are emerging in the field of cultivated meat.

An increasing number of partnerships are being formed within the industry.

Figure 5: Current and future cultivated meat production facilities







A positive outlook

 Many new scale up-facilities will soon break ground and advance the bioprocess setup.

 Increased research effort and scaling of production will bring the price of growth factors down.



Thank you!



