Dairy Olympics

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beef tech!

Microorganism as a Service - MoaaS

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Animal Agriculture

For 8B people, we feed 80B animals

70% of the agriculture is done for animals

20% of the GHG are due to animal farming

Dairy Problems

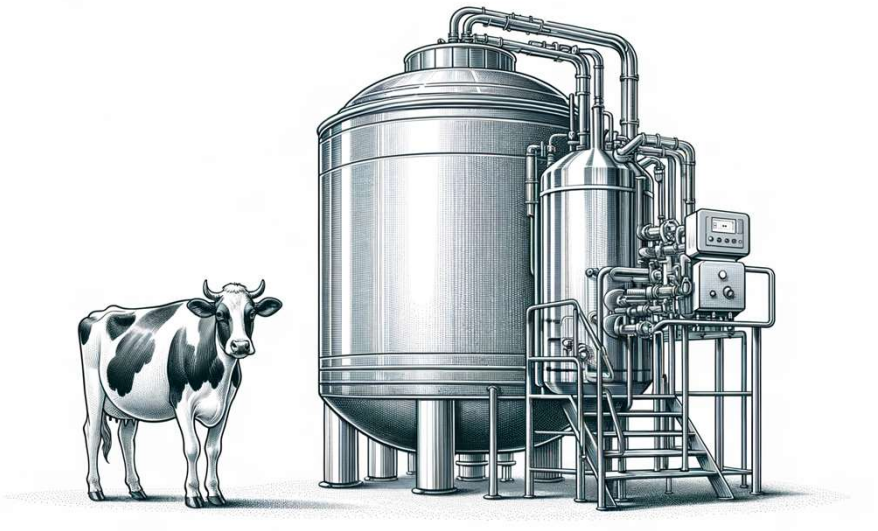
- **Price Volatiliy, High Production Cost, Market Competition**
- Gas Emission, Water Usage, Land Degradation
- Living Conditions, Supply Chain Issues
- Health, Transprancy and Tracebality
- Labor Shortages, Working Conditions

What might future look like?

Radically changed manufacturig methods...

Very Different Approach

- **Do we need milk or the cow?**
- Yeast or bacteria can produce **whey and casein** protein
- Then harvest protein and purify
- Combine water, fats, vitamins to mimic nutritional profile of the milk



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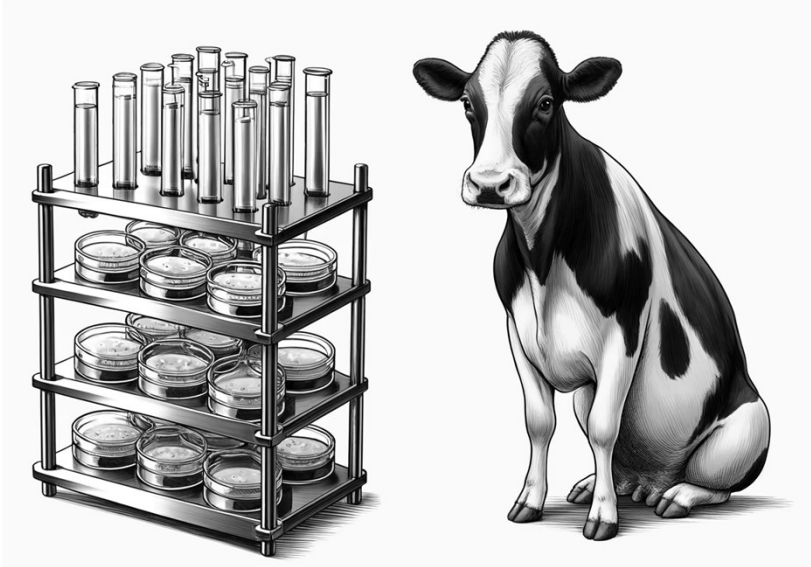
Emerging Market

Meat Problems

- **Production requires dimishing resources**
- Gas Emission, Water Usage, Land Degradation
- Antibiotics
- Climate risks

Very Different Approach

- **Do we need meat or the meat machine (fish, caddle, sheep, chicken, etc) ?**
- Stem cells can is the origin of meat
- Grow them with growth factors inside bioreactors
- Combine muscle with fat



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Cellular Agriculture is Costly

90%

The expensive **growth medium components** account for about 70% to 90% of cultured meat production. $1000/kg is not viable...

Making cultured meat commercially available soon, via postbiotics

- We cut production cost of cultured meat by introducing
  - microorganisms-based,
  - natural,
  - non-GMO,

  growth medium supplements and postbiotics.

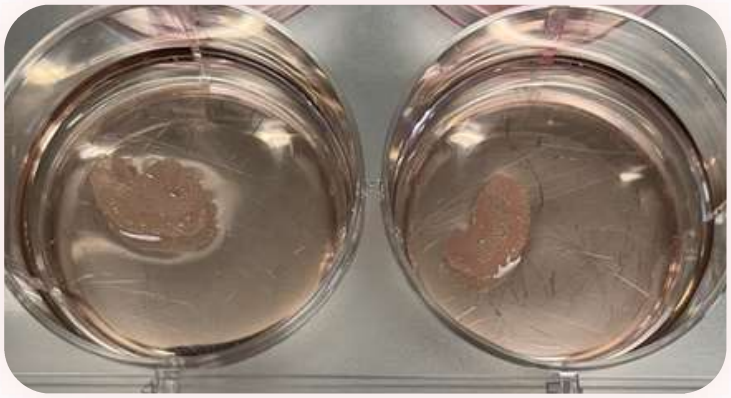
Market potential is huge

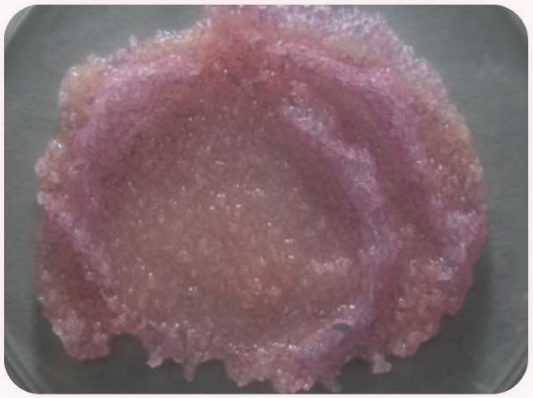
MEAT MARKET

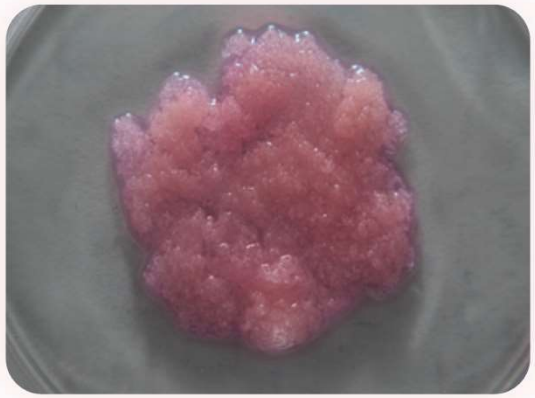
10% of the $1.4T meat market will be captured by cultured meat by 2030.

(by 2030, in $ billion)

First meat samples with Biftek Supplement - inhouse validation







By the beginning of 2023, we achieved in-house bovine cultured meat production by use of our cost-cutting Biftek supplement formula.

Patent is coming with many others in the pipeline

Biftek supplement is a defensible patent-pending tech

WE APPLIED TO US PATENT OFFICE IN 2020 AND CPT IN 2022

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Microorganisms to make cultured meat a reality

COMPANY HQ

Delaware, USA

LABS

Ankara, TURKEY

WEB

www.biftek.co