

October 1, 2024 · Kateřina Dvořák Vašová

BeneMeat unveils cutting-edge cell bank

More than 5,000 samples have already been stored in the cell bank of the leading biotech company, BeneMeat. This bank, allowing the cultivation of meat without the need for animal slaughter, is the result of several years of research by this successful startup. Its existence ensures access to a sufficient quantity and variety of cells that can be cultivated for both research and production purposes.



BeneMeat Cell Bank

“The cell bank is a crucial element in our effort to produce meat in an ethical and sustainable way. From the very outset, we knew that it would be essential to our success. Advanced

cell preservation technology is critical to the smooth progress of both our research and cultivated meat production. With its use, we can meet the demand for meat without a negative impact on animals and the environment. In our research and production, we mainly use primary cells directly sourced from small tissue samples, ensuring both high quality and an ethical approach.” Ing. Zuzana Šaturová, Manager of the Cell Bank explains.



Cell storage at BeneMeat

Key advantages of the cell bank:

1. Ethical approach to animals: A single, small tissue sample extraction creates a long-term supply of cells for meat cultivation without the need for animal death or suffering.

2. Cutting-edge technology: The facility utilizes the most advanced technology to preserve cells under optimal

conditions.

3. Maximum purity and stability: Thanks to advanced technology, strict protocols, and control mechanisms, we guarantee consistent quality and safety throughout the entire process.

4. Sample safety: Security systems ensure continuity even in the event of emergencies.

5. Universal technology: This technology allows the preservation of cells and the cultivation of meat from various animal species, ranging from common farm animals to exotic species, without negatively impacting live animals.

6. Replicability: Standardized procedures ensure repeatability in the successful preservation of cells.



Storing cells at BeneMeat

Cultivated meat

Cultivated meat, also known as cultured meat or cell-based meat, is real animal meat produced by directly growing animal cells in a controlled environment instead of raising and slaughtering animals. The process begins with a small sample of animal cells, which are nourished with essential nutrients and guided to form muscle, fat, and connective tissue, replicating natural biological growth. The result is meat that is biologically identical to conventional meat but can be produced more sustainably, with lower environmental impact and improved animal welfare. A term Cultivated meat refers to meat (including muscle cells, fat cells, connective tissue, blood, and other components) produced by cultivating animal cells, not by slaughtering a live animal. (Source: New Harvest – a research institute that aims to accelerate progress in cellular agriculture).

BeneMeat

BeneMeat is a biotech company, part of the BTL Group, focused on developing scalable and efficient cultivated meat production technology. Since 2020, the company has developed deep, end-to-end expertise across biology, chemistry, hardware, software, and commercial implementation of cultivated meat. With 100+ R&D experts, BeneMeat is building the complete technological ecosystem, from versatile cell line development to scalable, reliable, and cost-effective manufacturing solutions. The company is prepared to support manufacturers through all the key challenges of bringing cultivated meat to market: technical, legal, regulatory, and commercial. BeneMeat is the first in

the EU to be registered as a producer of cultivated meat for pet food (Autumn 2023), proving our regulatory leadership in this space. *“We are not just another company in cultivated meat, we are the technology partner shaping its future.”*

For more information, contact: **media@benemeat.com**



Cell Bank at BeneMeat

Attachments

About company (1).pdf
2.9 MB

LOGO BeneMeat (1).pdf
840.7 kB

One-pager The Next Option for Pets, People, and the Planet (1).pdf
711.3 kB

One Pager Next option in protein (1).pdf
733.8 kB

one_pager_1_EN (1).pdf

897.1 kB

A4 Cultivated Meat Flyer - ENG.pdf (1).pdf
2.0 MB

Roman Kriz CEO BeneMeat-. (1).jpg
9.2 MB

Roman Kriz CEO BeneMeat.JPG
7.5 MB

Roman Kriz CEO BeneMeat-.JPG
7.4 MB

BeneMeat Cell Bank.jpg
1.0 MB

Cell Bank at BeneMeat.jpg
1.2 MB

Cell Bank at BeneMeat.jpg
1.2 MB

Cell storage at BeneMeat.jpg
1.1 MB

Storing cells at BeneMeat.jpg
813.3 kB