

Quality & Safety Testing from Cell to Plate

Cell-Based Proteins Food Research

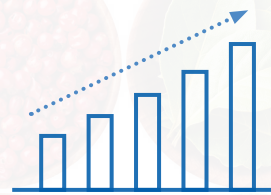
Access innovative solutions for your protein alternatives research, bioproduction, and QC testing.

Visit fishersci.com/food-beverage-testing or fishersci.ca/food-beverage-testing to learn more.



Collaborating to Provide **Innovative Solutions** for Your Industry

- Sample integrity
- Chain of custody
- Data management and secure connectivity
- Cross-contamination prevention
- Regulation and compliance
- Supply chain diversity
- Greener, more sustainable choices



The global food and beverage market is expected to grow at a CAGR of **7%** starting in 2021, potentially reaching **\$7.5 trillion** in **2023**.¹

By **2027**, the plant-based food market is expected to be worth

\$74.2 billion²

By **2030**, the cultured meat market is expected to reach

\$94 billion³

The botanical ingredients market is expected to grow at a CAGR of **7%** from **2020** to **2027**.⁴



1. The Business Research Company. (2020, May 14). Global Food and Beverages Market (2020 to 2030) — COVID-19 Impact and Recovery. [businesswire.com/news/home/20200514005421/en/Global-Food-and-Beverages-Market-2020-to-2030-COVID-19-Impact-and-Recovery-ResearchAndMarkets.com](https://www.businesswire.com/news/home/20200514005421/en/Global-Food-and-Beverages-Market-2020-to-2030-COVID-19-Impact-and-Recovery-ResearchAndMarkets.com)

2. Meticulous Market Research Pvt. Ltd. (2020, July 16). Plant Based Food Market Worth \$74.2 Billion by 2027. [prnewswire.com/news-releases/plant-based-food-market-worth-74-2-billion-by-2027-exclusive-report-by-meticulous-research-301094884.html](https://www.prnewswire.com/news-releases/plant-based-food-market-worth-74-2-billion-by-2027-exclusive-report-by-meticulous-research-301094884.html).

3. Grand View Research. (2020, July). Botanical Ingredients Market Size, Industry Report, 2020-2027. <https://www.grandviewresearch.com/industry-analysis/botanical-ingredients-market>.

4. Market Research Blog. (2021, March 24). Cultured Meat Market to Reach \$94.54 Billion by 2030. <https://blog.marketresearch.com/cultured-meat-market-to-reach-94.54-billion-by-2030>.

Optimize Your Cell-Based Food Workflow

Life Sciences & Testing Solutions

How can we efficiently produce sustainable food protein sources that are safer and healthier for the world? Cost, scalability, safety, and quality are some of the biggest challenges food scientists face in plant-based and cell culture protein workflows. Find solutions to these challenges with our wide selection of life sciences and testing products.



Step 1

Cell Harvesting and Engineering

Procure Essential Lab Supplies & Equipment

- Cost-effective lab glassware, plastics, and liquid handling
- Innovative DNA sequencing and CRISPR technologies
- Easy-to-purchase molecular biology essentials

[Learn More About Life Science Solutions](#)

Step 2

Cell Cultivation and Proliferation

Cultivate Taste, Mitigate Cross-Contamination

- Diverse selection of sera, non-sera, growth factors, media broth, nutrient essentials, buffer agents
- Reliable brands for disposable cell line flasks and disposable bioreactors, multi-layered flask stacks
- Sterile microbiology utensils and transport kits to mitigate cross-contamination

[Learn More About Cell Culture Solutions](#)

Step 3

Bioproduction

Scale Up Seamlessly

- Top benchtop fermenters and bioreactors give you peace of mind
- Single-use bags provide sterile environments to scale up cell production

[Learn More About Single-Use Bioprocessing Solutions](#)

[Ensure Document Traceability and Quality with SureTRACE](#)

Step 4

Food Quality and Safety

Maintain Compliance, Keep Customers Safe

- Rapid testing kits
- PCR supplies and equipment for adulteration testing
- QC microbiology media, plus additives with sterile petri dishes and inoculation loops

[Learn More About Food Testing Solutions](#)

Choose our life sciences and testing products to enjoy:

- Choice and convenience at every step for enhanced productivity
- Competitive prices on innovative technologies with specialized support
- Food safety and QC testing solutions that enable you to meet quality and safety standards

Visit fishersci.com/safety or fishersci.ca/safety to explore our safety solutions across your workflow.

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