

Gene Therapy Cell Culture Media Market Evaluated to Grow at \$278.96 million by 2027

PORTLAND, IN, UNITED STATES, February 17, 2025 /EINPresswire.com/ -- Culture media are nutrient growth substances provided in laboratory and research settings for growth, proliferation, maintenance, and storage of microorganisms and other cell types such as stem cells, mammalian, and other cell lines. Different culture media are available in the market for various cell cultures to survive and grow in their incubation environment. The culture media market is anticipated to grow considerably in the near future, owing to different factors such as increase in investments and funding for R&D and innovation in life sciences, especially biopharmaceutical products. In addition, the development of the biosimilar industry boosts the growth of the culture media market. However, scientific and ethical constraints with respect to use of animal-derived products in culture media and dearth of skilled professionals restrict the market growth.



According to the report, the global [gene therapy cell culture media industry](#) generated \$122.60 million in 2019, and is projected to reach \$278.96 million by 2027, witnessing a CAGR of 10.6% from 2020 to 2027.

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Prime determinants of growth

Rise in R&D investments, surge in awareness regarding gene therapy, advancements related to gene therapy, and increase in prevalence of cancer drive the growth of the global gene therapy cell culture media market. However, scarcity of skilled professionals, high costs related to gene therapies, and ethical & scientific concerns regarding culture media hinder the market growth. On the other hand, untapped potential of the emerging countries present new opportunities in the coming years.

Increase in investments and funding for R&D, innovation in life sciences act as the major driving forces of the global gene therapy cell culture media market. Furthermore, growth in awareness regarding gene therapy is expected to rise in demand notably contribute toward the growth of the market.

The chemically defined media segment to continue its leadership status during the forecast period

Based on media type, the chemically defined media segment accounted for the largest market share, contributing to nearly one-fifth of the global gene therapy cell culture media market in 2019, and will continue its leadership status during the forecast period. This is due to repeated purchase of consumables and increased funding for cell-based research. However, the serum containing media segment is projected to portray the fastest CAGR of 12.2% from 2020 to 2027, owing to its crucial role in drug development and rise in prevalence of cancer globally.

The adenoviruses segment to maintain its lead position by 2027

Based on viral vectors type, the adenoviruses segment accounted for the highest share in 2019, contributed to more than one-fifth of the global gene therapy cell culture media market, and is estimated to maintain its lead position by 2027. This is attributed to increase in government support and ethical acceptance of gene therapy for cancer treatment. Moreover, the lentiviruses segment is expected to manifest the largest CAGR of 18.0% during the forecast period. This is due to increase in prevalence of genetic disorders, cancer, and infectious diseases along with rise in number of clinical studies.

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North America to maintain its dominance in terms of revenue throughout the forecast period

Based on region, North America contributed to the highest market share in 2019, accounting for nearly half of the global gene therapy cell culture media market, and will maintain its dominance in terms of revenue throughout the forecast period. This is attributed to increase in production capacity for viral gene and virally modified cell therapy products along with presence of majority of key players. However, Asia-Pacific is estimated to register the fastest CAGR of 13.5% from 2020 to 2027, owing to rise in awareness regarding gene therapy for cancer treatment, development of the R&D sector, and surge in research funding.

Leading market players

Fujifilm Holdings Corporation
HiMedia Laboratories Pvt. Ltd.
Lonza Group Ltd.

Sartorius AG
Thermo Fisher Scientific Inc.
Merck KGaA
Danaher Corporation
Takara Holdings Inc.
Novartis International AG
Bio-Techne Corporation

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