

Gene Expression Analysis - Global Market Outlook (2020-2028)

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Abstracts

According to Statistics MRC, the Global Gene Expression Analysis market is accounted for \$3.86 billion in 2020 and is expected to reach \$8.76 billion by 2028 growing at a CAGR of 10.8% during the forecast period. Rising prevalence of cancer, growing application areas of genomics, and the availability of gene expression databases are the major factors driving the market growth. However, high cost of instruments is restraining the market growth.

Gene expression analysis is described as the process of studying the way genes are transcribed to synthesize functional gene products — functional ribonucleic acid (RNA) species or protein products. Gene expression analysis of gene regulation provides insights into normal cellular processes, such as differentiation, and pathological or abnormal processes.

Based on product, the consumables segment is estimated to have a lucrative growth due to the increasing volume of genetic tests in drug discovery, biomarker discovery, and pharmacogenomics applications. The increasing installation of next-generation sequencing (NGS) and polymerase chain reaction (PCR) equipment worldwide will significantly boost the demand for consumables. By geography, North America is going to have high growth during forecast period due to development of gene therapy, focus on gene expression studies, government initiatives, and the availability of funding for NGS research in this region.

Some of the key players profiled in the Gene Expression Analysis Market include Thermo Fisher Scientific, Qiagen, Illumina, Bio-Rad Laboratories, F. Hoffmann-La Roche, Agilent Technologies, Affymetrix, GE Healthcare, Perkinelmer, Oxford Gene Technology, Luminex, Microarrays, Partek, Zyagen and Tecan.

Capacities Covered:

Low%li%to Mid%li%Plex

High-Plex

Processes Covered:

Complementary Deoxyribonucleic Acid (cDNA) Synthesis & Conversion

Data Analysis & Interpretation

Purification

Sample Collection

Services Covered:

Gene Expression Profiling

Bioinformatics Solutions

Technologies Covered:

Ribonucleic Acid (RNA) Expression

Promoter Analysis

Protein Expression & Posttranslational Modification Analysis

Sanger Sequencing

Products Covered:

Consumables

Instruments

Other Products

End Users Covered:

Academic Institutes and Research Centers

Biotechnology & Microbiology

Contract Research Organization

Diagnostics/ Clinical Diagnostics

Drug Discovery & Development

Pharmaceutical and Biotech Companies

Sales Channels Covered:

Direct Sales

Distributor

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country-level segments

Strategic recommendations for the new entrants

Covers Market data for the years 2019, 2020, 2021, 2025, and 2028

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

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Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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