

# Gene Expression Market Report: Trends, Forecast and Competitive Analysis

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## Abstracts

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The future of the gene expression market looks promising with opportunities in drug discovery & development, clinical diagnostic, and biotechnology & microbiology applications. The global gene expression market is expected to grow with a CAGR of 7%-9% from 2020 to 2025. The major drivers for this market are decreasing cost of sequencing, technological advancements, rising prevalence of cancer, availability of government funding, novel technologies to aid gene expression studies, growing application areas of gene expression, and availability of gene expression databases.

A total of XX figures / charts and XX tables are provided in this more than 150-page report to help in your business decisions. Sample figures with some insights are shown below. To learn the scope, benefits, companies researched, and other details of the global gene expression market report, please download the report brochure.

In this market, consumables is the largest product & service segment of gene expression, whereas pharmaceutical & biotechnology companies is the largest end user. Growth in various segments of the gene expression market are given below:

The study includes trends and forecast for the global gene expression market by product and service, process, capacity, technique, application, end user, and region as follows:

By Product and Service [Value (\$ Million) shipment analysis for 2014 – 2025]:

Consumables Kits and Reagents DNA Chips Instruments PCRNGSDNA

Microarray Others Services Gene Expression Profiling Services Sequencing  
Services Other Services Bioinformatics Solutions

By Process [Value (\$ Million) shipment analysis for 2014 – 2025]:

Sample Collection Purification cDNA Synthesis & Conversion PCR Analysis Data Analysis  
& Interpretation

By Capacity [Value (\$ Million) shipment analysis for 2014 – 2025]:

Low- to Mid- Plex High-Plex

By Technique [Value (\$ Million) shipment analysis for 2014 – 2025]:

RNA Expression Northern Blotting DNA Microarrays PCR Techniques RNA-Seq Promoter  
Analysis In-vitro Transcription/Nuclear Run-On Assays Gel Shift Assays Chromatin  
Immunoprecipitation (ChIP) Protein Expression & Posttranslational Modification  
Analysis Western Blotting 2-D Gel Electrophoresis Immunoassays Mass Spectrometry

By Application [Value (\$ Million) shipment analysis for 2014 – 2025]:

Drug Discovery & Development Clinical Diagnostics Biotechnology & Microbiology Others

By End User [Value (\$ Million) shipment analysis for 2014 – 2025]:

Pharmaceutical and Biotech companies Academic Institutes and Research Centers  
Others

By Region [Value (\$ Million) shipment analysis for 2014 – 2025]:

North America United States Canada Mexico Europe United  
Kingdom Spain Germany France Asia Pacific China India Japan The Rest of the World Brazil

Some of the gene expression companies profiled in this report include Illumina, Thermo  
Fisher Scientific, Bio-Rad Laboratories, F. Hoffmann-La Roche, GE Healthcare, Pacific  
Biosciences of California, Agilent Technologies, QIAGEN, Oxford Gene Technologies,  
and Eurofins Scientific.

Lucintel forecasts that kits and reagents will remain the largest product and service

segment over the forecast period, driven by higher usage of these products, low price, launch of novel kits and reagents with enhanced efficiency, and rising demand for better data interpretation & visualization.

Within this market, pharmaceutical and biotechnology companies will remain the largest end user segment over the forecast period due to utilization of gene expression analysis products and services to achieve clinical research goals, increasing focus on developing targeted therapies, and increasing in the demand for gene expression analysis services offered by CROs.

North America will remain the largest region, and it is also expected to witness the highest growth over the forecast period due to the presence of a substantial number of well-established players in the region, increased focus on advanced healthcare, government support to initiatives that promote precision medicines, and high investments in genomic research.

## Features of the Global Gene Expression Market

**Market Size Estimates:** Global gene expression market size estimation in terms of value (\$M) shipment. **Trend and Forecast Analysis:** Market trends (2014-2019) and forecast (2020-2025) by various segments. **Segmentation Analysis:** Global gene expression market size by various segments, such as product and service, process, capacity, technique, application, and end user in terms of value. **Regional Analysis:** Global gene expression market breakdown by North America, Europe, Asia Pacific, and Rest of the World. **Growth Opportunities:** Analysis of growth opportunities in different product and service, process, capacity, technique, application, end user, and region for the global gene expression market. **Strategic Analysis:** This includes M&A, new product development, and competitive landscape of the global gene expression market. **Analysis of competitive intensity of the industry based on Porter's Five Forces model.**

This report answers following key questions

Q.1 What are some of the most promising potential, high-growth opportunities for the global gene expression market by product and service (consumables (kits and reagents and DNA chips), instruments (PCR, NGS, DNA microarray, and others), and services (gene expression profiling services (sequencing services and other services) and bioinformatics solutions), process (sample collection, purification, cDNA synthesis & conversion, PCR analysis, and data analysis & interpretation), capacity (low- to mid-plex and high-plex), technique (RNA expression (northern blotting, DNA microarrays,

PCR techniques, and RNA-seq), promoter analysis (in vitro transcription/nuclear run-on assays, gel shift assays, and chromatin immunoprecipitation (ChIP)), and protein expression & posttranslational modification analysis (western blotting, 2-D gel electrophoresis, immunoassays, and mass spectrometry), application (drug discovery & development, clinical diagnostics, biotechnology & microbiology, and others), end user (pharmaceutical and biotech companies, academic institutes and research centers, and others), and region (North America, Europe, Asia Pacific, and Rest of the World)?

Q.2 Which segments will grow at a faster pace and why?

Q.3 Which region will grow at a faster pace and why?

Q.4 What are the key factors affecting market dynamics? What are the drivers and challenges of the global gene expression market?

Q.5 What are the business risks and threats to the global gene expression market?

Q.6 What are the emerging trends in this gene expression market and the reasons behind them?

Q.7 What are some changing demands of customers in this gene expression market?

Q.8 What are the new developments in this gene expression market? Which companies are leading these developments?

Q.9 Who are the major players in this gene expression market? What strategic initiatives are being implemented by key players for business growth?

Q.10 What are some of the competitive products and processes in this gene expression market, and how big of a threat do they pose for loss of market share via material or product substitution?

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