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DNA and Gene Chip (Microarray) Market Report: Trends, Forecast and Competitive Analysis

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Abstracts

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The future of the global DNA and gene chip (microarray) market looks promising with opportunities in gene expression, genomics, cancer diagnosis & treatment, environmental control, agricultural biology, microbial genotyping, toxic genomic, and drug discovery applications. The global DNA and gene chip (microarray) market is expected to grow with a CAGR of 10%-12% from 2020 to 2025. The major drivers for this market are growing cases of cancer, rising demand for initial cancer detection & cancer diagnosis, and increasing research activities related to DNA and microarrays.

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 DNA and gene chip (microarray) market report, please download the report brochure.

In this market, consumables is the largest product segment of DNA and gene chip (microarray), whereas development of academic & government research institutes is the largest end use. Growth in various segments of the DNA and gene chip (microarray) market are given below:

The study includes trends and forecast for the global DNA and gene chip (microarray) market by product, type, application, end use, and region as follows:

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

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Consumables

Instrumentation

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

Oligonucleotide Based Chips

cDNA (Complementary Deoxyribonucleic Acid) Chips

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

Gene Expression

Genomics

Cancer Diagnosis & Treatment

Environmental Control

Agricultural Biology

Microbial Genotyping

Toxic Genomics

Drug Discovery

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

Academic & Government Research Institutes

Hospitals & Diagnostic Centers

Biotechnology & Pharmaceutical Companies

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Others

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

North America

United States

Canada

Mexico

Europe

United Kingdom

Germany

France

Asia Pacific

China

India

Japan

The Rest of the World

Brazil

Some of the DNA and dene chip (microarray) companies profiled in this report include Affymetrix, Illumina, Agilent Technologies, Roche, Sequenom, Applied Microarrays, Oxford Gene Technology, PerkinElmer, Eurofins Discovery, and NGK Insulators.

Lucintel forecasts that consumables will remain the largest product segment over the

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forecast period, as reagents and other ancillary components are easily available as compared to instruments which are required for implementing a microarray procedure.

Within this market, academic and government research institutes will remain the largest end use segment over the forecast period due to increasing research activities related to gene expression analysis.

North America will remain the largest region over the forecast period due to rising investments in R&D activities related to genomics, advanced healthcare infrastructure, and presence of major players in the region.

Features of the Global DNA and Gene Chip (Microarray) Market

Market Size Estimates: Global DNA and gene chip (microarray) 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 DNA and gene chip (microarray) market size by various segments, such as product, type, application, and end use in terms of value.

Regional Analysis: Global DNA and gene chip (microarray) market breakdown by North America, Europe, Asia Pacific, and Rest of the World.

Growth Opportunities: Analysis of growth opportunities in different product, type, application, end use, and region for the global DNA and gene chip (microarray) market.

Strategic Analysis: This includes M&A, new product development, and competitive landscape of the global DNA and gene chip (microarray) market.

Analysis of competitive intensity of the industry based on Porter’s Five Forces model.

This report answers following key questions

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Q.1 What are some of the most promising potential, high-growth opportunities for the global DNA and gene chip (microarray) market by product (consumables and instrumentation), type (oligonucleotide based chips and cDNA chips), application (gene expression, genomics, cancer diagnosis & treatment, environmental control, agricultural biology, microbial genotyping, toxic genomics, and drug discovery), end use (academic & government research institutes, hospitals & diagnostic centers, biotechnology & pharmaceutical companies, 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 DNA and gene chip (microarray) market?
Q.5 What are the business risks and threats to the global DNA and gene chip (microarray) market?
Q.6 What are the emerging trends in this DNA and gene chip (microarray) market and the reasons behind them?
Q.7 What are some changing demands of customers in this DNA and gene chip (microarray) market?
Q.8 What are the new developments in this DNA and gene chip (microarray) market? Which companies are leading these developments?
Q.9 Who are the major players in this DNA and gene chip (microarray) 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 DNA and gene chip (microarray) market, and how big of a threat do they pose for loss of market share via material or product substitution?
Q.11 What M&A activities did take place in the last five years in the global DNA and gene chip (microarray) market?

Report Scope

Key Features Description

Base Year for Estimation 2019

Trend Period

(Actual Estimates) 2014-2019

Forecast Period 2020-2025

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Pages More than 150

Market Representation / Units Revenue in US $ Million

Report Coverage Market Trends & Forecasts, Competitor Analysis, New Product Development, Company Expansion, Merger, Acquisitions & Joint Venture, and Company Profiling

Market Segments Product (Consumables and Instrumentation), Type (Oligonucleotide Based Chips and cDNA Chips), Application (Gene Expression, Genomics, Cancer Diagnosis & Treatment, Environmental Control, Agricultural Biology, Microbial Genotyping, Toxic Genomics, and Drug Discovery), and End Use (Academic & Government Research Institutes, Hospitals & Diagnostic Centers, Biotechnology & Pharmaceutical Companies, and Others)

Regional Scope North America (USA, Mexico, and Canada), Europe (United Kingdom, Germany, and France), Asia (China, India, and Japan), and ROW (Brazil)

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