

Microarray Analysis Market Outlook by Types and End Users - Growth Influencer, Market Players and Forecast to 2027

Microarray Analysis Market by End-user (Medical, Healthcare, Pharmaceuticals), Type (LOC, Tissue Microarray), Application, & Method - Global Forecast 2027

PUNE, MAHARASHTRA, INDIA, October 17, 2016 /EINPresswire.com/ -- Market Overview

Life science relates to the study of living organisms which includes plants, humans, and microorganisms among others. With unparalleled connectivity, evolving demographics, impressive growth in patent applications in emerging markets and pharmaceutical demand changes worldwide, the trend of Life science is also changing and improving. It is estimated that 2 million engineering and life science jobs will become open during forecasted period due to continue rise in aging population. The factors such as global innovation, increase taxation by government, awareness about education in Life science field, improved R&D expenditure driving global demand for genetic study which includes Microarray, population genomics, and molecular biology among other life science study areas.



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Major Players in Market are Affymetrix, Inc., Agilent Technologies, Inc., Sequenom, Inc., Roche NimbleGen, Illumina, Inc., and Applied Microarrays, BiomeRieux SA, Discerna, Gyros AB”

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Microarray, the combination of robotics, chemistry, computer science, and biology are used to study many points within a genome which is composed of thousands of genes at one time. Microarray helps to reduce criticality occurred during the understanding of the cell and its associated diseases. It is used for the study of biological materials such as DNA, RNA, small tissues, or protein, by immobilizing them on silicon-thin film.

Microarrays are useful for processing thousands of samples cost-effectively to identify transformations and structural variations in gene expression and methylation.

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Applications

Microarray analysis is been used in various industries such as healthcare, life science, medical among others. For instance, cancer germline mutation analysis is used to study cancer predisposition, cytogenomics is useful in detection of low-level mosaics, CNV's, LOH, across the genome, Agrigenomics genotyping is used for the study about plants and animals, and many more.

The advantages of Microarray analysis includes:

- Reproducible, high-quality data at a low cost
- Support fast, high throughput, multiplex processing
- Available in expert and custom formats

Taste the market data and market information presented through more than 60 market data tables and figures spread over 123 numbers of pages of the project report. Avail the in-depth table of content TOC & market synopsis on "[Microarray Analysis Market Research Report- Global Forecast to 2027](#)"

Key Players

Some major market players in Global Microarray Marker are as follows:

- Affymetrix, Inc.
- Agilent Technologies, Inc.
- Sequenom, Inc.
- Roche NimbleGen, Illumnia, Inc.
- Applied Microarrays
- biomerieux SA
- Discerna
- Gyros AB
- Luminex Corporation
- NextGen Sciences, PLC.
- ProteoGenix

Market Influencer

[Global Microarray Analysis Market](#) is driven by factors which include increasing government expenditure, growth in research and development activities need for early cancer detection, increasing healthcare expenditure, and diagnosis and large-scale DNA/gene chip initiatives. Adoption of personalized medicines, wide range of application areas, and technological advancements are other factors which are driving the Microarray market.

However, standardization in microarray data and lack of skilled professionals are some of the major factors hindering the growth of the Global Microarray Analysis Market.

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Market Segmentation

Global Microarray Analysis Market can be segmented into types, methods, applications, and end-users.

Global Microarray Analysis Market by Types:

- DNA Microarray
- LOC (Lab-on a-Chip)
- Protein Microarray
- Tissue Microarray

- Others

Global Microarray Analysis Market by Methods:

- Human genotyping
- Non-human genotyping
- Gene expression analysis
- Methylation analysis
- Mutation analysis
- Others

Global Microarray Analysis Market by Applications:

- SNP detection
- Genotyping
- Forensic analysis
- Research
- Diagnostics
- Others

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Global Microarray Analysis Market by End-users:

- Pharmaceuticals
- Medical
- Healthcare
- Laboratories
- Others

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