

Global Microarray Scanner Market Outlook 2016-2021

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Abstracts

This report provides detailed analysis of worldwide markets for Microarray Scanner from 2011-2016, and provides extensive market forecasts (2016-2021) by region/country and subsectors. It covers the key technological and market trends in the Microarray Scanner market and further lays out an analysis of the factors influencing the supply/demand for Microarray Scanner, and the opportunities/challenges faced by industry participants. It also acts as an essential tool to companies active across the value chain and to the new entrants by enabling them to capitalize the opportunities and develop business strategies.

Microarray Scanners are devices used to measure the fluorescent areas of a DNA microarray to reveal information about the simultaneous activity of thousands of genes. This information can help determine whether overexpression of a certain gene is involved in causing a specific disease, rendering the microarrays and scanners powerful tools in medical and genetic research. Microarray scanner now has been widely used in DNA array technology, DNA microarray (also commonly known as DNA chip or biochip) is a collection of microscopic DNA spots attached to a solid surface. Scientists use DNA microarrays to measure the expression levels of large numbers of genes simultaneously or to genotype multiple regions of a genome. Each DNA spot contains picomoles (10^{-12} moles) of a specific DNA sequence, known as probes (or reporters or oligos). These can be a short section of a gene or other DNA element that are used to hybridize a cDNA or cRNA (also called anti-sense RNA) sample (called target) under high-stringency conditions. Probe-target hybridization is usually detected and quantified by detection of fluorophore-, silver-, or chemiluminescence-labeled targets to determine relative abundance of nucleic acid sequences in the target.

GCC's report, Global Microarray Scanner Market Outlook 2016-2021, has been prepared based on the synthesis, analysis, and interpretation of information about the global Microarray Scanner market collected from specialized sources. The report covers

key technological developments in the recent times and profiles leading players in the market and analyzes their key strategies. The competitive landscape section of the report provides a clear insight into the market share analysis of key industry players. The major players in the global Microarray Scanner market are Agilent, Perkin Elmer, Molecular Devices, Affymetrix, Bio-Rad, Huron Technologies, Roche NimbleGen, CapitalBio, Wuxi Guosheng.

The report provides separate comprehensive analytics for the North America, Europe, Asia-Pacific, Middle East and Africa and Rest of World. In this sector, global competitive landscape and supply/demand pattern of Microarray Scanner industry has been provided.

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ABBREVIATIONS

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