

Analysis of Global Biochips Industry, 2012-2018



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Global Market Watch:

Global biochips market is forecasted to reach US\$11.4 billion by 2018 with a CAGR of 18.6% during 2012-2018; the massive CAGR is primarily supported by Asia-Pacific followed by the European Union. Among the major industry segments, biochips instruments are expected to exert the highest support to the industry with a CAGR of 20% globally. Microarrays segment accounts for nearly 70% of the industry value while services indicate lesser than 15% of the market value. North America is expected to maintain the highest market share for the biochips industry by 2018; Asian economies are expected to post a large CAGR of 19 percent during 2012-2018. Higher growth rate favors improved industry investments in Asia-Pacific region in comparison with North America and Europe, going ahead.

Report Focus:

The report 'Analysis of Global Biochips Industry, 2012-2018' reviews the latest biochips market trends with a perceptive attempt to disclose the near-future growth prospects. An in-depth analysis on a geographic basis provides strategic business intelligence for life science sector investments. The study reveals profitable investment strategies for pharmaceutical manufacturers, biotechnology companies, laboratories, Contract Research Organizations (CROs), government organizations and many more in preferred locations. The report primarily focuses on:

- Emerging Market Trends
- Advancements in the Technological Space
- Market Demand Of The Segments (By-Region)
- Key Growth Areas and Market Size
- Region-Wise Demand Factor
- Key Competitors Edge
- Investment Strategies

Estimates are based on online surveys using customized questionnaires by our research team. Besides information from government databases, company websites, press releases & published research reports are also used for estimates. Estimates have incorporated recessionary impact on the biochips industry.

The analysis primarily deals with products, applications and technologies. Further, the subdivided categories include:

Biochips - By Segment

- Microarrays
- By Type
 - DNA Biochips
 - Lab-on-Chips
 - Protein Biochips
 - Tissue Microarray
 - Others

- Cell-on Chips
- Organ-on-Chips
- Human-on-Chips
- By Technology
 - Gene Expression
 - SNP Identification
 - High Throughput Screening
 - Proteomics
- Biochip Related Products
- Instruments
- Reagents and Consumables
- Software
- Services

Biochips - By Application

- Drug Discovery and Development
- Diagnostics and Treatment
- Research
- Forensic
- Other (Agriculture, Environmental Sensors, Food Inspection)

The period considered for the biochips market analysis is 2012-2018. The region wise distribution of the market consists of North America (USA and Canada), Asia-Pacific (Japan, China, India, South Korea, Australia and Rest of Asia-Pacific), Europe (Germany, France, United Kingdom, Italy, Spain, Russia and Rest of Europe), and Rest of the World. The market growth rate in the major economies such as the U.S., Japan, China etc. are estimated individually for the upcoming years.

More than 640 leading market players are identified and 56 key companies that project improved market activities in the near future are profiled. The report consists of 182 data charts describing the market shares, sales forecasts and growth prospects. Moreover, key strategic activities in the market including mergers/acquisitions, collaborations/partnerships, product launches/developments are discussed.

The evolution of biochips has opened new vistas in the biological systems. In addition, all other sciences are integrated which cumulatively contribute for a big future of biochip industry. The broad 'life science' division has been witnessing a rapid growth and technological improvements varying from sector to sector since the past 3-5 years. Accelerating growth rate exhibited by the biochips industry, even during the recession years, confirms the positive growth prospects going ahead. The field of drug discovery and development research gets more glamorous with the diagnostics and treatment at cellular level. DNA biochips and lab-on-chips have created revolution enabling the target validation. Genome scan is very soon going to become an ultimate weapon for diagnosis. In no time all the information related to genes will be sequenced, annotated and completed along with the list of diseases which are susceptible. Day to day the researchers are also making an effort to develop medication to control the various diseases, by using biochip technology. As the applications of biochips are wide both in the research and clinical use, a wide potential market is expected. The emergence of biochip technology can be attributed to a decade which has gradually developed into maturity. This industry is expected to bring rapid and significant changes in the life sciences and medicine. Microarray technologies have a great potential and is widely used in DNA and protein analysis.

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NORTH AMERICA
ASIA-PACIFIC
EUROPE

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NORTH AMERICA
ASIA-PACIFIC
EUROPE

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BIOCHIPS SEGMENT - MICROARRAYS - BY TYPE

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NORTH AMERICA
ASIA-PACIFIC
EUROPE

LAB-ON-CHIPS (LOC)

NORTH AMERICA
ASIA-PACIFIC
EUROPE

PROTEIN BIOCHIPS

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ASIA-PACIFIC
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NORTH AMERICA
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PROMEGA CORPORATION
ROCHE
PERKINELMER LIFE SCIENCES
AFFYMETRIX, INC.
AGILENT TECHNOLOGIES
QIAGEN N.V.
MICROARRAYS, INC.

PROTAGEN AG
ZEPTOSENS AG
CYTOPATHFINDER, INC.
LIGHTARRAY GENE TECHNOLOGY CO., LTD.
OCIMUM BIOSOLUTIONS LTD.
DR. CHIP BIOTECHNOLOGY INC.

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NORTH AMERICA
EUROPE
ASIA-PACIFIC

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ARKRAY, INC.
BIOMÉRIEUX SA
MILTENYI BIOTEC
MITSUBISHI RAYON CO., LTD.
SCHOTT TECHNICAL GLASS SOLUTIONS GMBH
STRAND LIFE SCIENCES
GENOMICTREE INC.
ATTO-TEC GMBH
BIOBASE
BIOFLUIDIX GMBH
CELLIX LIMITED
EVOTEC AG
ORYZON GENOMICS
PRESENS - PRECISION SENSING GMBH
VARIONOSTIC GMBH
MICRONIT MICROFLUIDICS BV
IMMUNEXPRESS PTY LTD
MED BIOGENE INC.
SEAHORSE BIOSCIENCE
EVONIK INDUSTRIES AG
NANOSTRING® TECHNOLOGIES, INC.
NANOSPHERE, INC.
VANCE STREET CAPITAL LLC
LAVISION BIOTEC GMBH
QIAGEN MARSEILLE SA
ROSA & CO. LLC
BIO-RAD LABORATORIES
BIODOT, INC.
BECKMAN COULTER, INC.
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178. COMPUGEN LTD. - NET REVENUE BY GEOGRAPHY FOR 2012-2013 (IN USD\$ '000)
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180. BECTON, DICKINSON AND COMPANY. - NET REVENUE BY SEGMENT AND GEOGRAPHY FOR 2011-2013 (IN USD\$ 'MILLION)
181. ANALYTIK JENA - NET REVENUE BY SEGMENTATION AND GEOGRAPHY FOR 2011-2013 (IN EUR '000)
182. DASSAULT SYSTEMES - NET REVENUE BY SEGMENTATION AND GEOGRAPHY FOR 2011-2013 (IN EURO 'MILLION)

KEY COMPANY PROFILES

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ALMAC GROUP
WATERS CORPORATION
BD BIOSCIENCES
CLONTECH LABORATORIES INC.
PROMEGA CORPORATION
ROCHE NIMBLEGEN, INC.
MIRUS BIO CORPORATION
HITACHI SOLUTIONS AMERICA, LTD. (MIRAIBIO GROUP)
PERKINELMER LIFE SCIENCES
GENOMIC SOLUTIONS/DIGILAB, INC.
SQI DIAGNOSTICS
GRACE BIO LABS
AFFYMETRIX, INC.
AGILENT TECHNOLOGIES
APPLIED BIOSYSTEMS/LIFE TECHNOLOGIES CORPORATION
QIAGEN N.V.
INVITROGEN/LIFE TECHNOLOGIES CORPORATION
ILLUMINA, INC.
AMBRY GENETICS CORP
FLUIDIGM CORPORATION

COMBIMATRIX CORP
BIOGENEX
IMGENEX CORPORATION
ORIGENE TECHNOLOGIES, INC.
US BIOMAX, INC.
APPLIED MICROARRAYS, INC.
WAFERGEN BIOSYSTEMS, INC.
POSITIVEID CORPORATION
GE HEALTHCARE/AMERSHAM BIOSCIENCES
EUROFINS MWG OPERON
AMGEN
MICROARRAYS, INC.

EUROPE

OXFORD GENE TECHNOLOGY
GENEDATA AG
DASSAULT SYSTEMS
CBC COMPREHENSIVE BIOMARKER CENTER GMBH
PAMGENE INTERNATIONAL B.V.
PROTAGEN AG
ARRAYJET LIMITED
RANDOX LABORATORIES LTD
SIEMENS MEDICAL SOLUTIONS
EPPENDORF ARRAY TECHNOLOGIES
ZEPTOSENS AG
AFFIBODY AB
GENEVA BIOINFORMATICS (GENEBIO) SA

ASIA-PACIFIC

CYTOPATHFINDER, INC.
HIPEP LABORATORIES
LIGHTARRAY GENE TECHNOLOGY CO., LTD.
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