

# **Biochips: Market Research Report**

https://marketpublishers.com/r/B52FD2F6EB6EN.html

Date: January 2019

Pages: 287

Price: US\$ 5,600.00 (Single User License)

ID: B52FD2F6EB6EN

## **Abstracts**

This report analyzes the worldwide markets for Biochips in US\$ Million by the following Segments: DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Others. The report further analyzes the market by the following Applications: Research, Diagnostics, and Others.

The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World. Annual estimates and forecasts are provided for the period 2016 through 2024.

Also, a five-year historic analysis is provided for these markets. Market data and analytics are derived from primary and secondary research.

Company profiles are primarily based on public domain information including company URLs. The report profiles 73 companies including many key and niche players such as -

Agilent Technologies, Inc.

Bio-Rad Laboratories, Inc.

Cepheid Inc.

Fluidigm Corporation

**GE** Healthcare

Hoffman-La-Roche Ltd.



## **Contents**

## 1. INTRODUCTION, METHODOLOGY & PRODUCT DEFINITIONS

#### 2. INDUSTRY OVERVIEW

Biochips - A Primer

**Expanding Application Areas** 

Outlook

DNA Biochips Lead the Application Front

Protein Biochips – Set for Robust Expansion

Lab-on-a-Chip: Fusion of Nanotechnology & Genetic Engineering

Key Applications of Lab-on-a-Chip Technology

Molecular Biology and Lab-On-A-Chip

Proteomics and Lab-On-A-Chip

Cell Biology and Lab-On-A-Chip

Chemistry and Lab-On-A-Chip

## 3. GROWTH DRIVERS, MARKET TRENDS, AND CHALLENGES

Biochips Aid in Alleviating Issues Associated with Immunological Studies

Challenges for Widespread Adoption

Biochips with CMOS Technology for Aiding Cheaper Cancer and Other Diagnoses

Development of Protein Microarrays for the Field of Diagnostics – Key Challenges

Reproducibility – the Key Issue

Ease of Use

Cost

Implantable Biochip: The Next Thing in the Wearables Market

Going Mainstream

Drug Discovery Applications to Drive Market

Proteomics and Genomics Drive Demand for Biochips

Growing Preference for DNA/Protein Biochips in Personalized Medicine

Application of Biochips in Drug Discovery – A Strong Growth Driver

Cancer: An Important Driver for the Biochips Market

**Table 1.** World Cancer Incidence by Geographic Region and Gender (2012): Number of New Cancer Cases Reported (in Thousands) for Asia-Oceania, Europe, North America, Latin America & The Caribbean, and Africa (includes corresponding Graph/Chart)



**Table 2.** Global Incidence of Common Cancers in Men (2012): Number of New Cases Reported in Thousands for Lung & Bronchus, Prostate, Colorectal, and Liver Cancers (includes corresponding Graph/Chart)

**Table 3.** Global Incidence of Common Cancers in Women (2012): Number of New Cases Reported in Thousands for Breast, Colorectal, Lung & Bronchus, and Liver Cancers (includes corresponding Graph/Chart)

Increasing Prevalence of Lifestyle Diseases Boost Diagnostic Microarray Market Diabetes – A Statistical Overview

**Table 4.** Global Diabetes Mellitus Incidence among Ages 20-79 (2017 & 2045): Prevalence (in Millions) and Percentage Share by Geographic Region (includes corresponding Graph/Chart)

**Table 5.** Global Diabetes Mellitus Incidence among Ages 20-79 (2017 & 2045): Prevalence (in Millions) for Urban and Rural Populations (includes corresponding Graph/Chart)

**Table 6.** Global Diabetes Mellitus Prevalence among Ages 20-79 (2017 & 2045): Percentage Share of Population Affected by Geographic Region (includes corresponding Graph/Chart)

**Table 7.** Global Diabetes Mellitus Prevalence by Gender by Age Group (2017) (includes corresponding Graph/Chart)

**Table 8.** Top 10 Countries with Highest Number of Adults (Ages 20-79) Diagnosed with Diabetes (in Million) for 2017 & 2045 (includes corresponding Graph/Chart)

**Table 9.** Global Diabetes Mellitus Related Deaths among Ages 20-79 (2017) (includes corresponding Graph/Chart)

**Table 10.** Diabetes Mellitus Related Healthcare Expenditure among Ages 20-79 by Region: 2017 & 2045 (in US\$ Billion) (includes corresponding Graph/Chart)

**Table 11.** Diabetes Mellitus Related Healthcare Expenditure among Ages 20-79 for Select Countries: 2017 (in US\$ Billion) (includes corresponding Graph/Chart)



**Table 12.** Average Diabetes Related Healthcare Expenditure for Select Countries: 2017 (in US\$) (includes corresponding Graph/Chart)

Government Efforts to Promote Biochip Technology

Integrating Tools with Diagnostic Capabilities with Smartphones – A Futuristic Trend

Microfluidic and Lab-on-a-chip Devices for Pharmacogenomics

Lab-on-a-Chip System for Better Pulmonary Disease Outcome

**Industry Challenges** 

Standardization: A Key Challenge

High Costs Restrain Growth

Precise Protein Detection: A Challenge

#### 4. INNOVATIONS IN THE BIOCHIPS INDUSTRY

Biochip Industry Thrives on Innovation

Multi-Dimensional Printing Technology Enables Development of New Biochip Printing Technique

MIT Develops Neuromorphic Chip Capable of Mimicking Human Brain

Novel Biochip Invented for Use in Discovery of Drugs for Neuronal Condition

**Treatments** 

Other Developments in the Recent Past:

Biochip Innovations in Drug Discovery Applications

HuRELflow

MetaChip and Subsequent Versions

Lab-on-a-Chip Devices in Smart Delivery of Drugs

Biochips from AYOXXA: A Giant Leap in Protein Multiplexing

Key Developments in the Past

#### 5. PRODUCT OVERVIEW

Biochips – Complex Blend of Biochemistry and Electronics

Historical Perspective

Promising Biochips Promote Biological Research

Lab-on-a-chip: An Enabled Technology

Utility

**Evolution and Segmentation** 

**Differing Perspectives** 

Classification of Biochips

**Need for Biochips** 

Biochips: Market Research Report



Manufacturing Systems Used in Biochip Manufacture

Working of a Biochip

DNA Transcription & Translation through A Biochip

A Functional Model

Cocktail of Disparate Technically Specialized Applications

Biochips: By-product of Multi-disciplinary Sciences

Nanotechnology

**BioMEMS** 

Microfluidics

Micro Total Analysis System

#### 6. BIOCHIP AND MICROARRAY CONSTRUCTION

Chip Architecture

Essence of a Biochip

Concept of a Microarray

Microarray Modules

High Degree of Automation Spurs Biochips Use

Microfabrication Technology in Biochips made from Polymer and Plastics

Micro-optics in Biochips

Liquid Handling Through Micro-Dispensers

Capillary Electrophoresis and Electrochemical Detectors

Other Technologies

Management of Bio-information

Scanning

Microarray Database Management

Classification of DNA Chips

General Description of Spotted cDNA Microarrays

Spotted DNA Arrays

Spotted cDNA Versus Spotted Oligonucleotide Arrays

Limitations of Conventional cDNA Microarrays

**Protein Biochips** 

General Applications of Protein Biochips:

Challenges in the Design of a Protein Biochip

Limitations of Protein Chip Technology

Concluding Remarks for Protein Biochips

#### 7. APPLICATIONS OF BIOCHIPS



Biochips Hold Huge Potential to Fasten Research and Diagnostics

**Biochip Uses** 

Pharmaceutical Investigation

**Medical Diagnostics** 

Advantages of Biosensor Chip Technology

**Forensics** 

Transplantation Screening

**Identity Testing** 

Water and Environmental Testing

Food Industry

#### 8. COMPETITIVE LANDSCAPE

**Industry Structure** 

Entry of the Biggies Bodes Well for the Industry

Major Participants

Affymetrix: A Pioneer Player

Growing Partnerships between Pharma and Biotech Companies

Outsourcing: A Positive Trend

8.1 Focus on Select Players

Agilent Technologies, Inc. (US)

Bio-Rad Laboratories, Inc. (US)

Cepheid Inc. (US)

Fluidigm Corporation (US)

GE Healthcare (US)

Hoffman-La-Roche Ltd. (Switzerland)

Illumina, Inc. (US)

Ocimum Biosolutions Ltd. (India)

PerkinElmer, Inc. (US)

Takara Bio Inc. (Japan)

Takara Bio USA, Inc. (US)

Thermo Fisher Scientific Inc. (US)

8.2 Recent Industry Activity

AYOXXA Introduces LUNARIS System for Protein Analysis

AYOXXA Living Health Introduces LUNARIS Platform in Asia

Takara Bio USA Acquires WaferGen Bio-Systems

Takara Bio USA Acquires Rubicon Genomics

**Danaher Acquires Cepheid** 

Thermo Fisher Acquires Affymetrix



Veredus Laboratories and AVA Launch VereVet Lab-on-Chip Application Eurofins Scientific Launches Analytical DNA Chip Technology Agilent Technologies Introduces Updated SurePrint Microarrays Agilent Technologies Launches GenetiSure Pre-Screen Microarray Sengenics Acquires Oxford Gene Technology's Protein Array Technology

#### 9. GLOBAL MARKET PERSPECTIVE

**Table 13.** World Recent Past, Current & Future Analysis for Biochips by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World Markets Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 14.** World Historic Review for Biochips by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World Markets Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 15.** World 14-Year Perspective for Biochips by Geographic Region - Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

Analysis by Product Segment

**Table 16.** World Recent Past, Current & Future Analysis for DNA Biochips by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World Markets Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 17.** World Historic Review for DNA Biochips by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World Markets Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 18.** World 14-Year Perspective for DNA Biochips by Geographic Region - Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific,



Latin America, and Rest of World Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

**Table 19.** World Recent Past, Current & Future Analysis for Protein Biochips by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World Markets Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 20.** World Historic Review for Protein Biochips by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World Markets Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 21.** World 14-Year Perspective for Protein Biochips by Geographic Region - Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

**Table 22.** World Recent Past, Current & Future Analysis for Lab-on-a-Chip by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World Markets Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 23.** World Historic Review for Lab-on-a-Chip by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World Markets Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 24.** World 14-Year Perspective for Lab-on-a-Chip by Geographic Region - Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

**Table 25.** World Recent Past, Current & Future Analysis for Other Biochips by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World Markets Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 26.** World Historic Review for Other Biochips by Geographic Region - US,



Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World Markets Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 27.** World 14-Year Perspective for Other Biochips by Geographic Region - Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

Analysis by Application

**Table 28.** World Recent Past, Current & Future Analysis for Biochips by Application - Research, Diagnostics, and Other Application Markets Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 29.** World Historic Review for Biochips by Application - Research, Diagnostics, and Other Application Markets Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 30.** World 14-Year Perspective for Biochips by Application - Percentage Breakdown of Dollar Sales for Research, Diagnostics, and Other Application Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

## 10. REGIONAL MARKET PERSPECTIVE

10.1 The United States

A. Market Analysis

United States: The Global Leader for Biochips

Rising Demand in Biotechnology and Life Science Research Applications

Lab-on-a-Chip: The Leading Segment

Rapid Growth for Protein Biochips

**DNA Biochip Market** 

**Growth Drivers** 

Demand for Personalized Medicine Drives Market for Biochips

Aging Population: A Strong Demographic Driver



**Table 31.** US Elderly Population by Age Group (2000-2050) (includes corresponding Graph/Chart)

**Table 32.** The US Population Breakdown by Age Group (2015) (includes corresponding Graph/Chart)

Growing Incidence of Cancer & Lifestyle Disorders

Opportunity Indicators: Statistics Depicting Increasing Incidence of Cancer and Lifestyle Disorders

**Table 33.** The US Cancer Incidence by Gender (2017): No. of Reported New Cases for Men and Women (includes corresponding Graph/Chart)

**Table 34.** Cancer Incidence in the US by Affected Site (2017): Number of New Cancer Cases (includes corresponding Graph/Chart)

**Table 35.** Prevalence of Diabetes Mellitus in the US (2013 & 2035): Number of People with DM (in Thousands) in the 20-79 Age Group for the US

Competition

B. Market Analytics

**Table 36.** The US Recent Past, Current & Future Analysis for Biochips by Product Segment - DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 37.** The US Historic Review for Biochips by Product Segment - DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 38.** The US 14-Year Perspective for Biochips by Product Segment - Percentage Breakdown of Dollar Sales for DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

10.2 Canada



A. Market Analysis
Current and Future Analysis
Rising Incidence of Chronic Diseases Spurs Biochips Demand
Opportunity Indicators for Biochips Market:

**Table 39.** New Cancer Cases in Canada by Gender and Affected Site (2017) (includes corresponding Graph/Chart)

**Table 40.** New Cancer Cases in Canada by Province (2017) (includes corresponding Graph/Chart)

**Table 41.** Prevalence of Diabetes Mellitus in Canada (2013 & 2035): Number of People with DM (in Thousands) in the 20-79 Age Group

B. Market Analytics

**Table 42.** Canadian Recent Past, Current & Future Analysis for Biochips by Product Segment - DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 43.** Canadian Historic Review for Biochips by Product Segment - DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 44.** Canadian 14-Year Perspective for Biochips by Product Segment - Percentage Breakdown of Dollar Sales for DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

10.3 JapanA. Market AnalysisCurrent and Future AnalysisElderly Population Boosts the Biochip Market



**Table 45.** Japanese Elderly (65+ Years) Population: 2000-2050 (in Thousands) (includes corresponding Graph/Chart)

B. Market Analytics

**Table 46.** Japanese Recent Past, Current & Future Analysis for Biochips by Product Segment - DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 47.** Japanese Historic Review for Biochips by Product Segment - DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 48.** Japanese 14-Year Perspective for Biochips by Product Segment - Percentage Breakdown of Dollar Sales for DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

10.4 Europe
A. Market Analysis
Current and Future Analysis
Leader in the DNA Biochip Segment
Lab-on-chip Market in Europe
European Advancements Shape Diagnostic Procedures
Ageing Population Boosts Demand

**Table 49.** European Country-wise Statistics of 60+ Population as % of Total Population: 2015 (includes corresponding Graph/Chart)

Opportunity Indicator for the Biochips Market: European Personalized Medicine Market Exhibits Robust Growth

Increasing Incidence of Cancer Drives Biochips Demand

**Table 50.** Cancer Incidence in Europe by Site: 2012 (in Thousands) (includes

Biochips: Market Research Report



corresponding Graph/Chart)

B. Market Analytics

**Table 51.** European Recent Past, Current & Future Analysis for Biochips by Geographic Region - France, Germany, Italy, UK, Spain, Russia, and Rest of Europe Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 52.** European Historic Review for Biochips by Geographic Region - France, Germany, Italy, UK, Spain, Russia, and Rest of Europe Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 53.** European 14-Year Perspective for Biochips by Geographic Region - Percentage Breakdown of Dollar Sales for France, Germany, Italy, UK, Spain, Russia, and Rest of Europe Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

**Table 54.** European Recent Past, Current & Future Analysis for Biochips by Product Segment - DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 55.** European Historic Review for Biochips by Product Segment - DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 56.** European 14-Year Perspective for Biochips by Product Segment - Percentage Breakdown of Dollar Sales for DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

10.4.1 France Market Analysis



**Table 57.** French Recent Past, Current & Future Analysis for Biochips by Product Segment - DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 58.** French Historic Review for Biochips by Product Segment - DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 59.** French 14-Year Perspective for Biochips by Product Segment - Percentage Breakdown of Dollar Sales for DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

10.4.2 Germany
A. Market Analysis
Current and Future Analysis
Berlin, Brandenburg and Biochips
B. Market Analytics

**Table 60.** German Recent Past, Current & Future Analysis for Biochips by Product Segment - DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 61.** German Historic Review for Biochips by Product Segment - DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 62.** German 14-Year Perspective for Biochips by Product Segment - Percentage Breakdown of Dollar Sales for DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

10.4.3 Italy
Market Analysis



**Table 63.** Italian Recent Past, Current & Future Analysis for Biochips by Product Segment - DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 64.** Italian Historic Review for Biochips by Product Segment - DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 65.** Italian 14-Year Perspective for Biochips by Product Segment - Percentage Breakdown of Dollar Sales for DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

10.4.4 The United Kingdom Market Analysis

**Table 66.** UK Recent Past, Current & Future Analysis for Biochips by Product Segment - DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 67.** UK Historic Review for Biochips by Product Segment - DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 68.** UK 14-Year Perspective for Biochips by Product Segment - Percentage Breakdown of Dollar Sales for DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

10.4.5 Spain Market Analysis

**Table 69.** Spanish Recent Past, Current & Future Analysis for Biochips by Product Segment - DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016



through 2024 (includes corresponding Graph/Chart)

**Table 70.** Spanish Historic Review for Biochips by Product Segment - DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 71.** Spanish 14-Year Perspective for Biochips by Product Segment - Percentage Breakdown of Dollar Sales for DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

10.4.6 Russia Market Analysis

**Table 72.** Russian Recent Past, Current & Future Analysis for Biochips by Product Segment - DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 73.** Russian Historic Review for Biochips by Product Segment - DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 74.** Russian 14-Year Perspective for Biochips by Product Segment - Percentage Breakdown of Dollar Sales for DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

10.4.7 Rest of Europe Market Analysis

**Table 75.** Rest of Europe Recent Past, Current & Future Analysis for Biochips by Product Segment - DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 76. Rest of Europe Historic Review for Biochips by Product Segment - DNA



Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 77.** Rest of Europe 14-Year Perspective for Biochips by Product Segment - Percentage Breakdown of Dollar Sales for DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

10.5 Asia-PacificA. Market AnalysisCurrent and Future AnalysisIncreased Healthcare Spending Boosts the Biochips MarketIndia & China Offer Significant Growth Opportunities

**Table 78.** Ten Largest Populated Countries Worldwide (2015): Percentage Population by Age Group for 0-14 Years, 15-44 Years, 45-64 Years, and 65+ Years for China, India, USA, Indonesia, Brazil, Pakistan, Nigeria, Bangladesh, Russia and Japan (includes corresponding Graph/Chart)

**Table 79.** Over 65 Years Individuals as % of Total Population in Select Asian Countries (2015) (includes corresponding Graph/Chart)

Rising Diabetes Incidence in Asia-Pacific Offers Significant Growth Opportunities

**Table 80.** Prevalence of Diabetes Mellitus in South East Asia (2013 & 2035): Number of People with DM (in Thousands) in the 20-79 Age Group for Bangladesh, Bhutan, India, Maldives, Mauritius, Nepal, and Sri Lanka (includes corresponding Graph/Chart)

**Table 81.** Prevalence of Diabetes Mellitus in Western Asia-Pacific Regions (2013 & 2035): Number of People with DM (in thousands) in the 20-79 Age Group for 27 Countries in the Region (includes corresponding Graph/Chart)

B. Market Analytics

**Table 82.** Asia-Pacific Recent Past, Current & Future Analysis for Biochips by



Geographic Region - China, and Rest of Asia-Pacific Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 83.** Asia-Pacific Historic Review for Biochips by Geographic Region - China, and Rest of Asia-Pacific Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 84.** Asia-Pacific 14-Year Perspective for Biochips by Geographic Region - Percentage Breakdown of Dollar Sales for China, and Rest of Asia-Pacific Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

**Table 85.** Asia-Pacific Recent Past, Current & Future Analysis for Biochips by Product Segment - DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 86.** Asia-Pacific Historic Review for Biochips by Product Segment - DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 87.** Asia-Pacific 14-Year Perspective for Biochips by Product Segment - Percentage Breakdown of Dollar Sales for DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

10.5.1 China

A. Market Analysis

**Current and Future Analysis** 

Basic Environment and Commercial Development

Biochip Research Institutes

Favorable Personalized Medicine Market Boosts Demand for Biochips

B. Market Analytics

**Table 88.** Chinese Recent Past, Current & Future Analysis for Biochips by Product Segment - DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016



through 2024 (includes corresponding Graph/Chart)

**Table 89.** Chinese Historic Review for Biochips by Product Segment - DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 90.** Chinese 14-Year Perspective for Biochips by Product Segment - Percentage Breakdown of Dollar Sales for DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

10.5.2 Rest of Asia-Pacific

A. Market Analysis

**Current and Future Analysis** 

India: Growing Investments in Pharmacogenomics Research Drives Biochips Market B. Market Analytics

**Table 91.** Rest of Asia-Pacific Recent Past, Current & Future Analysis for Biochips by Product Segment - DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 92.** Rest of Asia-Pacific Historic Review for Biochips by Product Segment - DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 93.** Rest of Asia-Pacific 14-Year Perspective for Biochips by Product Segment - Percentage Breakdown of Dollar Sales for DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

10.6 Latin America Market Analysis

**Table 94.** Latin American Recent Past, Current & Future Analysis for Biochips by Product Segment - DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets



Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 95. Latin American Historic Review for Biochips by Product Segment - DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 96. Latin American 14-Year Perspective for Biochips by Product Segment -Percentage Breakdown of Dollar Sales for DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

10.7 Rest of World Market Analysis

Table 97. Rest of World Recent Past, Current & Future Analysis for Biochips by Product Segment - DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 98. Rest of World Historic Review for Biochips by Product Segment - DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 99. Rest of World 14-Year Perspective for Biochips by Product Segment -Percentage Breakdown of Dollar Sales for DNA Biochips, Protein Biochips, Lab-on-a-Chip, and Other Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

#### 11. COMPANY PROFILES

Total Companies Profiled: 73 (including Divisions/Subsidiaries - 79) The United States (40) Canada (2)

Japan (6)

Europe (21)

Biochips: Market Research Report



France (2)

Germany (7)

The United Kingdom (3)

Spain (1)

Rest of Europe (8)

Asia-Pacific (Excluding Japan) (10)



## I would like to order

Product name: Biochips: Market Research Report

Product link: https://marketpublishers.com/r/B52FD2F6EB6EN.html

Price: US\$ 5,600.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer

Service:

info@marketpublishers.com

## **Payment**

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <a href="https://marketpublishers.com/r/B52FD2F6EB6EN.html">https://marketpublishers.com/r/B52FD2F6EB6EN.html</a>