

High Content Screening Market by Product (Cell Imaging & Analysis System, Flow Cytometry, Consumable, Software, Service) Application (Primary & Secondary Screening, Toxicity Studies, Target Identification & Validation), End User - Global Forecast to 2022

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Abstracts

The global high-content screening (HCS) market is projected to reach USD 909.0 million by 2022 at a CAGR of 10.3% during the forecast period. The factors expected to drive the growth of the market are cost containment in pharmaceutical R&D, increasing funding for cellular research, and technological advancements in HCS solutions during the forecast period. The rapid growth in developing countries across APAC is also expected to provide an opportunity for revenue generation in the market. However, the high cost of HCS instruments and the dearth of knowledgeable and skilled personnel for the operation of the instruments are expected to restrain the market growth to a certain extent.

The HCS instruments market accounted for the largest share of HCS market primarily attributed to advances in instrumentation and automation techniques and high prices of the HCS instruments. The software segment is expected to register the highest growth during the forecast period. The growth of this market is attributed to the technological advancements in image acquisition, data analysis, and storage capabilities and the need to obtain information on changes in cell morphology through high-quality images.

North America is the largest market for high-content screening, followed by Europe, Asia-Pacific, Latin America, and the Middle East & Africa. High R&D expenditure, the presence of major pharmaceutical market players, and increasing government support

are some of the factors contributing to the large share of North America in the market. However, the Asia-Pacific market is expected to register the highest growth during the forecast period owing to increased research in drug discovery, government initiatives, growing focus of multinational companies on emerging markets, and developing R&D infrastructure.

The major players in the high-content screening market are GE Healthcare (U.S.), Danaher Corporation (U.S.), Thermo Fisher Scientific Inc. (U.S.), PerkinElmer, Inc. (U.S.), and Becton, Dickinson and Company (U.S.). Some of the other leading players in this market include Tecan Group (Switzerland), BioTek Instruments Inc. (U.S.), Bio-Rad Laboratories (U.S.), Yokogawa Electric Corporation (Japan), and Merck Millipore (U.S.).

Research Coverage:

The market is segmented based on product, application, end user, and region. Based on product, the market is segmented into high-content screening instruments (cell imaging & analysis systems and flow cytometers), consumables (reagents & assay kits, microplates and other consumables), software, services, and accessories. Based on application, the market is segmented into target identification and validation, primary and secondary screening, toxicity studies, and compound profiling. On the basis of end user, the market is segmented into pharmaceutical & biotechnology companies, academic and government institutes, and contract research organizations. This report also provides market information on North America, Europe, Asia-Pacific, Latin America, and the Middle East & Africa. These regions are further segmented at a country level.

Reasons to Buy the Report

This report will enrich both established firms as well as new entrants/smaller firms to gauge the pulse of the market and garner a greater market share. Firms purchasing this report could use any one or a combination of the below mentioned five strategies to strengthen their market shares.

This report provides insights on the following pointers:

Market Penetration: Comprehensive information on product portfolios offered by the top players in the high-content screening market. This report analyzes the market by product, application, end user, and region

Product Development/Innovation: Detailed insights on the upcoming trends and product launches in the high-content screening market

Market Development: Comprehensive information on the lucrative emerging markets for high-content screening

Market Diversification: Exhaustive information about new products, growing regions, recent developments, and investments in the high-content screening market

Competitive Assessment: In-depth assessment of market shares, growth strategies, products, and technological capabilities of the leading players in the high-content screening market

Contents

1 INTRODUCTION

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 MARKET DEFINITION
- 1.3 MARKET SCOPE
 - 1.3.1 MARKETS COVERED
- 1.4 YEARS CONSIDERED FOR THE STUDY
- 1.5 LIMITATIONS
- 1.6 CURRENCY
- 1.7 STAKEHOLDERS

2 RESEARCH METHODOLOGY

- 2.1 RESEARCH APPROACH
- 2.2 MARKET SIZE ESTIMATION
- 2.3 MARKET BREAKDOWN AND DATA TRIANGULATION
 - 2.3.1 DATA FROM SECONDARY SOURCES
 - 2.3.2 DATA FROM PRIMARY SOURCES
 - 2.3.3 KEY INDUSTRY INSIGHTS
- 2.4 ASSUMPTIONS FOR THE STUDY

3 EXECUTIVE SUMMARY

4 PREMIUM INSIGHTS

- 4.1 HIGH-CONTENT SCREENING: MARKET SNAPSHOT
- 4.2 EUROPE: HIGH-CONTENT SCREENING MARKET, BY APPLICATION (2016)
- 4.3 GEOGRAPHIC SNAPSHOT OF THE HIGH-CONTENT SCREENING MARKET
- 4.4 HIGH-CONTENT SCREENING MARKET: REGIONAL MIX

5 MARKET OVERVIEW

- 5.1 INTRODUCTION
- 5.2 KEY MARKET DYNAMICS
 - 5.2.1 MARKET DRIVERS
 - 5.2.1.1 Need for cost containment in pharmaceutical R&D
 - 5.2.1.2 Government funding and venture capital investments across developed

markets

5.2.1.3 Advancements in informatics solutions and imaging instruments

5.2.2 MARKET RESTRAINTS

5.2.2.1 Lower adoption of HCS instruments due to their high prices

5.2.3 MARKET OPPORTUNITIES

5.2.3.1 Increasing number of CROs providing HCS services

5.2.3.2 Application of HCS in personalized medicine

5.2.4 MARKET CHALLENGES

5.2.4.1 Dearth of knowledgeable and skilled operators of HCS instruments

5.2.4.2 Inadequate infrastructure and funding for R&D in emerging countries

6 INDUSTRY INSIGHTS

6.1 INDUSTRY TRENDS

6.1.1 RISING ADOPTION OF LABEL-FREE TECHNOLOGIES

6.1.2 GROWING FOCUS ON STEM CELL ANALYSIS

6.2 TECHNOLOGICAL ROADMAP

7 GLOBAL HIGH-CONTENT SCREENING MARKET, BY PRODUCT

7.1 INTRODUCTION

7.2 INSTRUMENTS

7.2.1 CELL IMAGING AND ANALYSIS SYSTEMS

7.2.2 FLOW CYTOMETERS

7.2.2.1 Cell analyzers

7.2.2.2 Cell sorters

7.3 CONSUMABLES

7.3.1 REAGENTS & ASSAY KITS

7.3.2 MICROPLATES

7.3.3 OTHER CONSUMABLES

7.4 SOFTWARE

7.5 SERVICES

7.6 ACCESSORIES

8 GLOBAL HIGH-CONTENT SCREENING MARKET, BY APPLICATION

8.1 INTRODUCTION

8.2 PRIMARY AND SECONDARY SCREENING

8.3 TARGET IDENTIFICATION AND VALIDATION

- 8.4 TOXICITY STUDIES
- 8.5 COMPOUND PROFILING
- 8.6 OTHER APPLICATIONS

9 GLOBAL HIGH-CONTENT SCREENING MARKET, BY END USER

- 9.1 INTRODUCTION
- 9.2 PHARMACEUTICAL AND BIOTECHNOLOGY COMPANIES
- 9.3 ACADEMIC AND GOVERNMENT INSTITUTES
- 9.4 CONTRACT RESEARCH ORGANIZATIONS

10 HIGH-CONTENT SCREENING MARKET, BY REGION

- 10.1 INTRODUCTION
- 10.2 NORTH AMERICA
 - 10.2.1 U.S.
 - 10.2.2 CANADA
- 10.3 EUROPE
 - 10.3.1 GERMANY
 - 10.3.2 U.K.
 - 10.3.3 FRANCE
 - 10.3.4 SWITZERLAND
 - 10.3.5 REST OF EUROPE
- 10.4 ASIA-PACIFIC
 - 10.4.1 JAPAN
 - 10.4.2 CHINA
 - 10.4.3 INDIA
 - 10.4.4 REST OF ASIA-PACIFIC
- 10.5 LATIN AMERICA
- 10.6 MIDDLE EAST AND AFRICA

11 COMPETITIVE LANDSCAPE

- 11.1 OVERVIEW
- 11.2 COMPETITIVE ANALYSIS
 - 11.2.1 MARKET PLAYERS RANKING
 - 11.2.2 PRODUCT MATRIX
 - 11.2.3 VENDOR BENCHMARKING
- 11.3 COMPETITIVE SITUATIONS AND TRENDS

11.3.1 PRODUCT LAUNCHES

11.3.2 COLLABORATIONS, PARTNERSHIPS, AND AGREEMENTS

11.3.3 ACQUISITIONS

11.3.4 EXPANSIONS

12 COMPANY PROFILES

(Overview, Products and Services, Financials, Strategy & Development)*

12.1 INTRODUCTION

12.2 GE HEALTHCARE

12.3 DANAHER CORPORATION

12.4 PERKINELMER, INC.

12.5 THERMO FISHER SCIENTIFIC INC.

12.6 BECTON, DICKINSON AND COMPANY

12.7 BIOTEK INSTRUMENTS, INC.

12.8 BIO-RAD LABORATORIES, INC.

12.9 TECAN GROUP LTD.

12.10 YOKOGAWA ELECTRIC CORPORATION

12.11 MERCK MILLIPORE

*Details on Overview, Products and Services, Financials, Strategy & Development might not be Captured in case of Unlisted Companies.

13 APPENDIX

13.1 INSIGHTS OF INDUSTRY EXPERTS

13.2 DISCUSSION GUIDE

13.3 OTHER DEVELOPMENTS

13.4 KNOWLEDGE STORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL

13.5 INTRODUCING RT: REAL-TIME MARKET INTELLIGENCE

13.6 AVAILABLE CUSTOMIZATIONS

13.7 RELATED REPORTS

13.8 AUTHOR DETAILS

List Of Tables

LIST OF TABLES

Table 1 MARKET DRIVERS: IMPACT ANALYSIS

Table 2 MARKET RESTRAINTS: IMPACT ANALYSIS

Table 3 MARKET OPPORTUNITIES: IMPACT ANALYSIS

Table 4 MARKET CHALLENGES: IMPACT ANALYSIS

Table 5 GLOBAL HIGH-CONTENT SCREENING MARKET SIZE, BY PRODUCT, 2015-2022 (USD MILLION)

Table 6 GLOBAL HIGH-CONTENT SCREENING INSTRUMENTS MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 7 GLOBAL HIGH-CONTENT SCREENING INSTRUMENTS MARKET SIZE, BY COUNTRY/REGION, 2015-2022 (USD MILLION)

Table 8 GLOBAL CELL IMAGING AND ANALYSIS SYSTEMS MARKET SIZE, BY COUNTRY/REGION, 2015-2022 (USD MILLION)

Table 9 GLOBAL FLOW CYTOMETERS MARKET SIZE, BY TYPE, 2015–2022 (USD MILLION)

Table 10 GLOBAL FLOW CYTOMETERS MARKET SIZE, BY REGION/COUNTRY, 2015–2022 (USD MILLION)

Table 11 GLOBAL CELL ANALYZERS MARKET SIZE, BY REGION/COUNTRY, 2015-2022 (USD MILLION)

Table 12 GLOBAL CELL SORTERS MARKET SIZE, BY REGION/COUNTRY, 2015-2022 (USD MILLION)

Table 13 GLOBAL HIGH-CONTENT SCREENING CONSUMABLES MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 14 GLOBAL HIGH-CONTENT SCREENING CONSUMABLES MARKET SIZE, BY REGION/COUNTRY, 2015-2022 (USD MILLION)

Table 15 GLOBAL REAGENTS AND ASSAY KITS MARKET SIZE, BY REGION/COUNTRY, 2015-2022 (USD MILLION)

Table 16 GLOBAL MICROPLATES MARKET SIZE, BY REGION/COUNTRY, 2015-2022 (USD MILLION)

Table 17 GLOBAL OTHER CONSUMABLES MARKET SIZE, BY REGION/COUNTRY, 2015-2022 (USD MILLION)

Table 18 GLOBAL HIGH-CONTENT SCREENING SOFTWARE MARKET SIZE, BY REGION/COUNTRY, 2015-2022 (USD MILLION)

Table 19 GLOBAL HIGH-CONTENT SCREENING SERVICES MARKET SIZE, BY REGION/COUNTRY, 2015-2022 (USD MILLION)

Table 20 GLOBAL HIGH-CONTENT SCREENING ACCESSORIES MARKET SIZE, BY

REGION/COUNTRY, 2015-2022 (USD MILLION)

Table 21 GLOBAL HIGH-CONTENT SCREENING MARKET SIZE, BY APPLICATION, 2015-2022 (USD MILLION)

Table 22 GLOBAL HIGH-CONTENT SCREENING MARKET SIZE FOR PRIMARY AND SECONDARY SCREENING, BY COUNTRY, 2015-2022 (USD MILLION)

Table 23 GLOBAL HIGH-CONTENT SCREENING MARKET SIZE FOR TARGET IDENTIFICATION AND VALIDATION, BY COUNTRY, 2015-2022 (USD MILLION)

Table 24 GLOBAL HIGH-CONTENT SCREENING MARKET SIZE FOR TOXICITY STUDIES, BY COUNTRY, 2015-2022 (USD MILLION)

Table 25 GLOBAL HIGH-CONTENT SCREENING MARKET SIZE FOR COMPOUND PROFILING, BY COUNTRY, 2015-2022 (USD MILLION)

Table 26 GLOBAL HIGH-CONTENT SCREENING MARKET SIZE FOR OTHER APPLICATIONS, BY COUNTRY, 2015-2022 (USD MILLION)

Table 27 GLOBAL HIGH-CONTENT SCREENING MARKET SIZE, BY END USER, 2015-2022 (USD MILLION)

Table 28 GLOBAL HIGH-CONTENT SCREENING MARKET SIZE FOR PHARMACEUTICAL AND BIOTECHNOLOGY COMPANIES, BY COUNTRY, 2015-2022 (USD MILLION)

Table 29 GLOBAL HIGH-CONTENT SCREENING MARKET SIZE FOR ACADEMIC AND GOVERNMENT INSTITUTES, BY COUNTRY, 2015-2022 (USD MILLION)

Table 30 GLOBAL HIGH-CONTENT SCREENING MARKET SIZE FOR CONTRACT RESEARCH ORGANIZATIONS, BY COUNTRY, 2015-2022 (USD MILLION)

Table 31 GLOBAL HIGH-CONTENT SCREENING MARKET, BY REGION, 2015-2022 (USD MILLION)

Table 32 NORTH AMERICA: HIGH-CONTENT SCREENING MARKET SIZE, BY COUNTRY, 2015-2022 (USD MILLION)

Table 33 NORTH AMERICA: HIGH-CONTENT SCREENING MARKET SIZE, BY PRODUCT, 2015-2022 (USD MILLION)

Table 34 NORTH AMERICA: HIGH-CONTENT SCREENING INSTRUMENTS MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 35 NORTH AMERICA: FLOW CYTOMETERS MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 36 NORTH AMERICA: HIGH-CONTENT SCREENING CONSUMABLES MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 37 NORTH AMERICA: HIGH-CONTENT SCREENING MARKET SIZE, BY APPLICATION, 2015-2022 (USD MILLION)

Table 38 NORTH AMERICA: HIGH-CONTENT SCREENING MARKET SIZE, BY END USER, 2015-2022 (USD MILLION)

Table 39 U.S.: HIGH-CONTENT SCREENING MARKET SIZE, BY PRODUCT,

2015-2022 (USD MILLION)

Table 40 U.S.: HIGH-CONTENT SCREENING INSTRUMENTS MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 41 U.S.: FLOW CYTOMETERS MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 42 U.S.: HIGH-CONTENT SCREENING CONSUMABLES MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 43 U.S.: HIGH-CONTENT SCREENING MARKET SIZE, BY APPLICATION, 2015-2022 (USD MILLION)

Table 44 U.S.: HIGH-CONTENT SCREENING MARKET SIZE, BY END USER, 2015-2022 (USD MILLION)

Table 45 CANADA: HIGH-CONTENT SCREENING MARKET SIZE, BY PRODUCT, 2015-2022 (USD MILLION)

Table 46 CANADA: HIGH-CONTENT SCREENING INSTRUMENTS MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 47 CANADA: FLOW CYTOMETERS MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 48 CANADA: HIGH-CONTENT SCREENING CONSUMABLES MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 49 CANADA: HIGH-CONTENT SCREENING MARKET SIZE, BY APPLICATION, 2015-2022 (USD MILLION)

Table 50 CANADA: HIGH-CONTENT SCREENING MARKET SIZE, BY END USER, 2015-2022 (USD MILLION)

Table 51 PHARMACEUTICAL R&D EXPENDITURE IN EUROPE, BY COUNTRY, 2014 (USD MILLION)

Table 52 EUROPE: HIGH-CONTENT SCREENING MARKET SIZE, BY COUNTRY, 2015-2022 (USD MILLION)

Table 53 EUROPE: HIGH-CONTENT SCREENING MARKET SIZE, BY PRODUCT, 2015-2022 (USD MILLION)

Table 54 EUROPE: HIGH-CONTENT SCREENING INSTRUMENTS MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 55 EUROPE: FLOW CYTOMETERS MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 56 EUROPE: HIGH-CONTENT SCREENING CONSUMABLES MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 57 EUROPE: HIGH-CONTENT SCREENING MARKET SIZE, BY APPLICATION, 2015-2022 (USD MILLION)

Table 58 EUROPE: HIGH-CONTENT SCREENING MARKET SIZE, BY END USER, 2015-2022 (USD MILLION)

Table 59 GERMANY: HIGH-CONTENT SCREENING MARKET SIZE, BY PRODUCT, 2015-2022 (USD MILLION)

Table 60 GERMANY: HIGH-CONTENT SCREENING INSTRUMENTS MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 61 GERMANY: FLOW CYTOMETERS MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 62 GERMANY: HIGH-CONTENT SCREENING CONSUMABLES MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 63 GERMANY: HIGH-CONTENT SCREENING MARKET SIZE, BY APPLICATION, 2015-2022 (USD MILLION)

Table 64 GERMANY: HIGH-CONTENT SCREENING MARKET SIZE, BY END USER, 2015-2022 (USD MILLION)

Table 65 U.K.: HIGH-CONTENT SCREENING MARKET SIZE, BY PRODUCT, 2015-2022 (USD MILLION)

Table 66 U.K.: HIGH-CONTENT SCREENING INSTRUMENTS MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 67 U.K.: FLOW CYTOMETERS MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 68 U.K.: HIGH-CONTENT SCREENING CONSUMABLES MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 69 U.K.: HIGH-CONTENT SCREENING MARKET SIZE, BY APPLICATION, 2015-2022 (USD MILLION)

Table 70 U.K.: HIGH-CONTENT SCREENING MARKET SIZE, BY END USER, 2015-2022 (USD MILLION)

Table 71 FRANCE: HIGH-CONTENT SCREENING MARKET SIZE, BY PRODUCT, 2015-2022 (USD MILLION)

Table 72 FRANCE: HIGH-CONTENT SCREENING INSTRUMENTS MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 73 FRANCE: FLOW CYTOMETERS MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 74 FRANCE: HIGH-CONTENT SCREENING CONSUMABLES MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 75 FRANCE: HIGH-CONTENT SCREENING MARKET SIZE, BY APPLICATION, 2015-2022 (USD MILLION)

Table 76 FRANCE: HIGH-CONTENT SCREENING MARKET SIZE, BY END USER, 2015-2022 (USD MILLION)

Table 77 SWITZERLAND: HIGH-CONTENT SCREENING MARKET SIZE, BY PRODUCT, 2015-2022 (USD MILLION)

Table 78 SWITZERLAND: HIGH-CONTENT SCREENING INSTRUMENTS MARKET

SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 79 SWITZERLAND: FLOW CYTOMETERS MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 80 SWITZERLAND: HIGH-CONTENT SCREENING CONSUMABLES MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 81 SWITZERLAND: HIGH-CONTENT SCREENING MARKET SIZE, BY APPLICATION, 2015-2022 (USD MILLION)

Table 82 SWITZERLAND: HIGH-CONTENT SCREENING MARKET SIZE, BY END USER, 2015-2022 (USD MILLION)

Table 83 REST OF EUROPE: HIGH-CONTENT SCREENING MARKET SIZE, BY PRODUCT, 2015-2022 (USD MILLION)

Table 84 REST OF EUROPE: HIGH-CONTENT SCREENING INSTRUMENTS MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 85 REST OF EUROPE: FLOW CYTOMETERS MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 86 REST OF EUROPE: HIGH-CONTENT SCREENING CONSUMABLES MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 87 REST OF EUROPE: HIGH-CONTENT SCREENING MARKET SIZE, BY APPLICATION, 2015-2022 (USD MILLION)

Table 88 REST OF EUROPE: HIGH-CONTENT SCREENING MARKET SIZE, BY END USER, 2015-2022 (USD MILLION)

Table 89 ASIA-PACIFIC: HIGH-CONTENT SCREENING MARKET SIZE, BY COUNTRY, 2015-2022 (USD MILLION)

Table 90 ASIA-PACIFIC: HIGH-CONTENT SCREENING MARKET SIZE, BY PRODUCT, 2015-2022 (USD MILLION)

Table 91 ASIA-PACIFIC: HIGH-CONTENT SCREENING INSTRUMENTS MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 92 ASIA-PACIFIC: FLOW CYTOMETERS MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 93 ASIA-PACIFIC: HIGH-CONTENT SCREENING CONSUMABLES MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 94 ASIA-PACIFIC: HIGH-CONTENT SCREENING MARKET SIZE, BY APPLICATION, 2015-2022 (USD MILLION)

Table 95 ASIA-PACIFIC: HIGH-CONTENT SCREENING MARKET SIZE, BY END USER, 2015-2022 (USD MILLION)

Table 96 JAPAN: HIGH-CONTENT SCREENING MARKET SIZE, BY PRODUCT, 2015-2022 (USD MILLION)

Table 97 JAPAN: HIGH-CONTENT SCREENING INSTRUMENTS MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 98 JAPAN: FLOW CYTOMETERS MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 99 JAPAN: HIGH-CONTENT SCREENING CONSUMABLES MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 100 JAPAN: HIGH-CONTENT SCREENING MARKET SIZE, BY APPLICATION, 2015-2022 (USD MILLION)

Table 101 JAPAN: HIGH-CONTENT SCREENING MARKET SIZE, BY END USER, 2015-2022 (USD MILLION)

Table 102 CHINA: HIGH-CONTENT SCREENING MARKET SIZE, BY PRODUCT, 2015-2022 (USD MILLION)

Table 103 CHINA: HIGH-CONTENT SCREENING INSTRUMENTS MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 104 CHINA: FLOW CYTOMETERS MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 105 CHINA: HIGH-CONTENT SCREENING CONSUMABLES MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 106 CHINA: HIGH-CONTENT SCREENING MARKET SIZE, BY APPLICATION, 2015-2022 (USD MILLION)

Table 107 CHINA: HIGH-CONTENT SCREENING MARKET SIZE, BY END USER, 2015-2022 (USD MILLION)

Table 108 INDIA: HIGH-CONTENT SCREENING MARKET SIZE, BY PRODUCT, 2015-2022 (USD MILLION)

Table 109 INDIA: HIGH-CONTENT SCREENING INSTRUMENTS MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 110 INDIA: FLOW CYTOMETERS MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 111 INDIA: HIGH-CONTENT SCREENING CONSUMABLES MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 112 INDIA: HIGH-CONTENT SCREENING MARKET SIZE, BY APPLICATION, 2015-2022 (USD MILLION)

Table 113 INDIA: HIGH-CONTENT SCREENING MARKET SIZE, BY END USER, 2015-2022 (USD MILLION)

Table 114 REST OF ASIA-PACIFIC: HIGH-CONTENT SCREENING MARKET SIZE, BY PRODUCT, 2015-2022 (USD MILLION)

Table 115 REST OF ASIA-PACIFIC: HIGH-CONTENT SCREENING INSTRUMENTS MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 116 REST OF ASIA-PACIFIC: FLOW CYTOMETERS MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 117 REST OF ASIA-PACIFIC: HIGH-CONTENT SCREENING CONSUMABLES

MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 118 REST OF ASIA-PACIFIC: HIGH-CONTENT SCREENING MARKET SIZE, BY APPLICATION, 2015-2022 (USD MILLION)

Table 119 REST OF ASIA-PACIFIC: HIGH-CONTENT SCREENING MARKET SIZE, BY END USER, 2015-2022 (USD MILLION)

Table 120 LATIN AMERICA: HIGH-CONTENT SCREENING MARKET SIZE, BY PRODUCT, 2015-2022 (USD MILLION)

Table 121 LATIN AMERICA: HIGH-CONTENT SCREENING INSTRUMENTS MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 122 LATIN AMERICA: FLOW CYTOMETERS MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 123 LATIN AMERICA: HIGH-CONTENT SCREENING CONSUMABLES MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 124 LATIN AMERICA: HIGH-CONTENT SCREENING MARKET SIZE, BY APPLICATION, 2015-2022 (USD MILLION)

Table 125 LATIN AMERICA: HIGH-CONTENT SCREENING MARKET SIZE, BY END USER, 2015-2022 (USD MILLION)

Table 126 MIDDLE EAST AND AFRICA: HIGH-CONTENT SCREENING MARKET SIZE, BY PRODUCT, 2015-2022 (USD MILLION)

Table 127 MIDDLE EAST AND AFRICA: HIGH-CONTENT SCREENING INSTRUMENTS MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 128 MIDDLE EAST AND AFRICA: FLOW CYTOMETERS MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 129 MIDDLE EAST AND AFRICA: HIGH-CONTENT SCREENING CONSUMABLES MARKET SIZE, BY TYPE, 2015-2022 (USD MILLION)

Table 130 MIDDLE EAST AND AFRICA: HIGH-CONTENT SCREENING MARKET SIZE, BY APPLICATION, 2015-2022 (USD MILLION)

Table 131 MIDDLE EAST AND AFRICA: HIGH-CONTENT SCREENING MARKET SIZE, BY END USER, 2015-2022 (USD MILLION)

Table 132 GLOBAL HIGH-CONTENT SCREENING MARKET RANKING, BY KEY PLAYER, 2016

Table 133 HIGH-CONTENT SCREENING MARKET: PRODUCT MATRIX

Table 134 GROWTH STRATEGY MATRIX (2014–2017)

Table 135 PRODUCT LAUNCHES, 2014–2017

Table 136 COLLABORATIONS, PARTNERSHIPS, AND AGREEMENTS, 2014–2017

Table 137 ACQUISITIONS, 2014–2017

Table 138 EXPANSIONS, 2014–2017

List Of Figures

LIST OF FIGURES

Figure 1 GLOBAL HIGH-CONTENT SCREENING MARKET SEGMENTATION

Figure 2 RESEARCH DESIGN

Figure 3 BOTTOM-UP APPROACH

Figure 4 TOP-DOWN APPROACH

Figure 5 DATA TRIANGULATION METHODOLOGY

Figure 6 BREAKDOWN OF PRIMARY INTERVIEWS: BY COMPANY TYPE, DESIGNATION, AND REGION

Figure 7 GLOBAL HIGH-CONTENT SCREENING MARKET SIZE, BY PRODUCT, 2017 VS. 2022 (USD MILLION)

Figure 8 GLOBAL HIGH-CONTENT SCREENING MARKET SIZE, BY APPLICATION, 2017 VS. 2022 (USD MILLION)

Figure 9 GLOBAL HIGH-CONTENT SCREENING MARKET SIZE, BY END USER, 2017 VS. 2022 (USD MILLION)

Figure 10 GEOGRAPHIC SNAPSHOT OF THE GLOBAL HIGH-CONTENT SCREENING MARKET

Figure 11 THE HIGH-CONTENT SCREENING MARKET IS PROJECTED TO WITNESS A DOUBLE-DIGIT GROWTH RATE IN THE FORECAST PERIOD

Figure 12 GERMANY COMMANDED THE LARGEST SHARE OF THE EUROPEAN HIGH-CONTENT SCREENING MARKET IN 2016

Figure 13 THE U.S. ACCOUNTED FOR THE LARGEST SHARE OF THE HIGH-CONTENT SCREENING MARKET IN 2016

Figure 14 APAC TO REGISTER THE HIGHEST CAGR DURING THE FORECAST PERIOD

Figure 15 HIGH-CONTENT SCREENING MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES

Figure 16 ESTIMATED PRE-APPROVAL COST OF BRINGING A NEW CHEMICAL OR BIOLOGICAL ENTITY TO MARKET (USD MILLION)

Figure 17 R&D EXPENDITURE AS PERCENTAGE OF GDP, 2014

Figure 18 FOCUS ON STEM CELL ANALYSIS AND LABEL-FREE HCS ARE THE MAJOR TRENDS IN THE MARKET

Figure 19 HIGH-CONTENT SCREENING: TECHNOLOGICAL EVOLUTION

Figure 20 INSTRUMENTS DOMINATE THE GLOBAL HIGH-CONTENT SCREENING MARKET IN 2017

Figure 21 CELL IMAGING AND ANALYSIS SYSTEMS TO DOMINATE THE HIGH-CONTENT SCREENING INSTRUMENTS MARKET BY 2022

Figure 22 CELL ANALYZERS SEGMENT TO REGISTER HIGHEST GROWTH DURING THE FORECAST PERIOD

Figure 23 PRIMARY & SECONDARY SCREENING SEGMENT TO REGISTER THE HIGHEST GROWTH IN THE HCS MARKET DURING THE FORECAST PERIOD

Figure 24 GLOBAL HIGH-CONTENT SCREENING MARKET SIZE, BY END USER, 2017 VS 2022 (USD MILLION)

Figure 25 GEOGRAPHIC SNAPSHOT: HIGH-CONTENT SCREENING MARKET

Figure 26 NORTH AMERICA WILL CONTINUE TO DOMINATE THE HIGH-CONTENT SCREENING MARKET BY 2022

Figure 27 NORTH AMERICA: HIGH-CONTENT SCREENING MARKET SNAPSHOT

Figure 28 EUROPE: HIGH-CONTENT SCREENING MARKET SNAPSHOT

Figure 29 ASIA-PACIFIC: HIGH-CONTENT SCREENING MARKET SNAPSHOT

Figure 30 PRODUCT LAUNCHES WAS THE MOST-PREFERRED STRATEGY BETWEEN 2014 AND 2017

Figure 31 HIGH-CONTENT SCREENING: VENDOR BENCHMARKING

Figure 32 BATTLE FOR MARKET SHARE: PRODUCT LAUNCHES - THE MOST WIDELY ADOPTED STRATEGY BETWEEN 2014 AND 2017

Figure 33 GEOGRAPHICAL REVENUE MIX OF THE TOP 5 PLAYERS IN THE HIGH-CONTENT SCREENING MARKET

Figure 34 GE HEALTHCARE: COMPANY SNAPSHOT (2016)

Figure 35 DANAHER CORPORATION: COMPANY SNAPSHOT (2016)

Figure 36 PERKINELMER, INC.: COMPANY SNAPSHOT (2016)

Figure 37 THERMO FISHER SCIENTIFIC INC.: COMPANY SNAPSHOT (2016)

Figure 38 BECTON, DICKINSON AND COMPANY: COMPANY SNAPSHOT (2016)

Figure 39 BIO-RAD LABORATORIES, INC.: COMPANY SNAPSHOT (2016)

Figure 40 TECAN GROUP LTD.: COMPANY SNAPSHOT (2016)

Figure 41 YOKOGAWA ELECTRIC CORPORATION: COMPANY SNAPSHOT (2015)

Figure 42 MERCK MILLIPORE: COMPANY SNAPSHOT (2016)

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