

Flow Cytometry Market by Technology (Cell-based, Bead-based), Product & Service (Analyzer, Sorter, Consumables, Software), Application ((Research - Immunology, Stem cell), (Clinical - Hematology)), End User & Region - Global Forecast to 2028

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Report description:

The global flow cytometry market is projected to reach USD 7.0 billion by 2028 from USD 4.7 billion in 2023, at a CAGR of 8.3% during the forecast period. The rising prevalence of HIV/AIDS, cancer & autoimmune diseases globally is rising adoption of flow cytometry for clinical applications are some of the major factors projecting segmental growth. Additionally, the launch of technologically advanced flow cytometry products by key market players is furthermore likely to propel the market growth. In November 2021, Bio-Rad Laboratories, Inc. (US) launched StarBright UltraViolet 400 Dye, fluorescent nanoparticles designed for use with a UV laser in flow cytometry applications.

"Cell-based flow cytometry anticipated to grow at significant CAGR during the forecast period of 2023-2028."

Based on the technology, the flow cytometry market is cell-based and bead-based flow cytometry. Cell-based flow cytometry segment dominated the market in 2022. The dominance is attributable to the presence of technologically advanced cell-based flow cytometry products. Bead-based flow cytometry is likely to grow at a significant pace in the coming years. The rising adoption of bead-based flow cytometry and the strong emphasis of key market players on the launch of bead-based flow cytometers is likely to have a positive impact on the market growth.

"Research applications segment dominated the market in 2022."

Based on the end user, the flow cytometry market is segmented into research applications, clinical applications, and industrial applications. The research application dominated the segment. However, clinical application is anticipated to grow at a significant CAGR during the forecast period. Industry-academia collaborations for clinical and research application is likely to impact positively on the market. For instance, in March 2023, BD and Agency for Science, Technology, and Research (A*STAR), Singapore, extended a research partnership that will help focus on deep immunophenotyping of human tissues using spectral flow

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cytometry panels to bring forth discoveries that can be translated into positive healthcare outcomes.

"North America held the dominant share in 2022."

Geographically, the flow cytometry market is segmented into North America, Europe, Asia Pacific, Latin America, and the Middle East and Africa. In 2022, North America accounted for the major share of the flow cytometry market. The dominance of the North American region is owing to various factors, such as the presence of key market players in the region and the increased adoption of flow cytometry in research applications in the region. Asia Pacific is expected to grow at a faster pace due to a rise in funding for research and the increased focus on stem cell and clinical research.

The primary interviews conducted for this report can be categorized as follows:

-□By Respondent: Supply Side- 70% and Demand Side 30%

-□By Designation: C-level - 45%, D-level - 30%, and Others - 25%

-□By Region: North America: 40%, Europe: 25%, Asia Pacific: 20%, Latin America: 10%, and the Middle East and Africa: 5%

List of Companies Profiled in the Report:

-□BD (US)

-□Danaher Corporation (US)

-□Thermo Fisher Scientific, Inc. (US)

-□Agilent Technologies, Inc. (US)

-□Sony Corporation (Japan)

-□Bio-Rad Laboratories, Inc. (US)

-□Miltenyi Biotec (Germany)

-□Enzo Biochem, Inc. (US)

-□Sysmex Corporation (Japan)

-□bioMerieux (France)

-□Cytonome/ST, LLC (US)

-□Sartorius AG (Germany)

-□Cytek Biosciences (US)

-□Union Biometrica, Inc. (US)

-□Luminex Corporation (Italy)

-□Apogee Flow Systems Ltd. (UK)

-□Stratedigm, Inc. (US)

-□NanoCollect Biomedical, Inc. (US)

-□On-chip Biotechnologies, Co., Ltd. (Japan)

-□Nexcelom Biosciences LLC. (US)

-□BennuBio Inc. (US)

-□Orflo Technologies (US)

-□Bay Biosciences Co., Ltd. (Japan)

-□BioLegend, Inc. (US)

-□CytoBuoy B.V (Netherlands)

Research Coverage:

This report provides a detailed picture of the flow cytometry market. It aims at estimating the size and future growth potential of the market across different segments such as technology, product & services, application, end user, and region. The report also includes an in-depth competitive analysis of the key market players along with their company profiles, recent developments, and key market strategies.

Key Benefits of Buying the Report:

The report will help market leaders/new entrants by providing them with the closest approximations of the revenue numbers for

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the overall market and its subsegments. It will also help stakeholders better understand the competitive landscape and gain more insights to better position their business and make suitable go-to-market strategies. This report will enable stakeholders to understand the market's pulse and provide them with information on the key market drivers, restraints, opportunities, and challenges.

The report provides insights on the following pointers:

- Analysis of key drivers (Rising incidence of HIV/AIDS and cancer, wide applications in research for drug discovery & development, use of flow cytometry in regenerative medicine, growing public-private initiatives in immunology and immuno-oncology research, technological advancements in flow cytometry instruments), restraints (High product pricing), opportunities (Emerging economies, rising focus on stem cell research, uptake of recombinant DNA technology for antibody production), and challenges (Complexities related to reagent development, shortage of skilled professionals) influencing the growth of the market.
- Product and Service Development/Innovation: Detailed insights on newly launched products and technological assessment of the flow cytometry market
- Market Development: Comprehensive information about lucrative markets - the report analyses the market across varied regions.
- Market Diversification: Exhaustive information about new products, untapped geographies, recent developments, and investments in the flow cytometry market
- Competitive Assessment: In-depth assessment of market shares, growth strategies, and products offerings of leading players like BD (US), Danaher Corporation (US), Thermo Fisher Scientific, Inc. (US), Agilent Technologies, Inc. (US), Sony Corporation (Japan), Bio-Rad Laboratories, Inc. (US), Miltenyi Biotec (Germany), Enzo Biochem, Inc. (US), Sysmex Corporation (Japan), bioMerieux (France), Cytonome/ST, LLC (US), Sartorius AG (Germany), Cytex Biosciences (US), Union Biometrica, Inc. (US), Luminex Corporation (Italy), Apogee Flow Systems Ltd. (UK), Stratedigm, Inc. (US), NanoCollect Biomedical, Inc. (US), On-chip Biotechnologies, Co., Ltd. (Japan), Nexcelom Biosciences LLC. (US), BenuBio Inc. (US), Orflo Technologies (US), Bay Biosciences Co., Ltd. (Japan), BioLegend, Inc. (US), and CytoBuoy B.V (Netherlands).

Table of Contents:

1	INTRODUCTION	55
1.1	STUDY OBJECTIVES	55
1.2	MARKET DEFINITION	55
1.2.1	INCLUSIONS AND EXCLUSIONS	56
1.3	MARKET SCOPE	56
1.3.1	MARKETS COVERED	56
1.3.2	YEARS CONSIDERED	57
1.4	CURRENCY CONSIDERED	57
1.5	RESEARCH LIMITATIONS	57
1.6	STAKEHOLDERS	58
1.7	SUMMARY OF CHANGES	58
1.8	RECESSION IMPACT	59
2	RESEARCH METHODOLOGY	60
2.1	RESEARCH DATA	60
FIGURE 1	RESEARCH DESIGN	60
2.1.1	SECONDARY DATA	61
2.1.2	PRIMARY DATA	62
FIGURE 2	FLOW CYTOMETRY MARKET: BREAKDOWN OF PRIMARIES	62
2.2	MARKET SIZE ESTIMATION	63
FIGURE 3	FLOW CYTOMETRY MARKET: MARKET SIZE ESTIMATION FOR SUPPLY SIDE ANALYSIS (2022)	63
FIGURE 4	MARKET SIZE ESTIMATION: APPROACH 1 (REVENUE SHARE ANALYSIS) FOR 2022	64
FIGURE 5	ILLUSTRATIVE EXAMPLE OF BD: REVENUE SHARE ANALYSIS (2022)	64

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2.2.1	PRIMARY INSIGHTS	66
FIGURE 6	MARKET VALIDATION FROM PRIMARY EXPERTS	66
2.2.2	MARKET SIZE ESTIMATION METHODOLOGY	66
FIGURE 7	MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH	66
2.3	GROWTH RATE ASSUMPTIONS	67
FIGURE 8	FLOW CYTOMETRY MARKET: CAGR PROJECTIONS DURING FORECAST PERIOD	68
FIGURE 9	FLOW CYTOMETRY MARKET: GROWTH ANALYSIS OF DRIVERS, RESTRAINTS, CHALLENGES, AND OPPORTUNITIES	68
2.4	MARKET BREAKDOWN AND DATA TRIANGULATION	69
FIGURE 10	DATA TRIANGULATION METHODOLOGY	69
2.5	STUDY ASSUMPTIONS	70
2.6	RISK ANALYSIS	70
2.7	RECESSION IMPACT ANALYSIS	70
TABLE 1	GLOBAL INFLATION RATE PROJECTION, 2024-2028 (% GROWTH)	71
TABLE 2	US HEALTH EXPENDITURE, 2019-2022 (USD MILLION)	71
TABLE 3	US HEALTH EXPENDITURE, 2023-2027 (USD MILLION)	71
3	EXECUTIVE SUMMARY	72
FIGURE 11	FLOW CYTOMETRY MARKET, BY TECHNOLOGY, 2023 VS. 2028 (USD MILLION)	72
FIGURE 12	FLOW CYTOMETRY MARKET, BY PRODUCT & SERVICE, 2023 VS. 2028 (USD MILLION)	73
FIGURE 13	FLOW CYTOMETRY MARKET, BY APPLICATION, 2023 VS. 2028 (USD MILLION)	73
FIGURE 14	FLOW CYTOMETRY MARKET, BY END USER, 2023 VS. 2028 (USD MILLION)	74
FIGURE 15	GEOGRAPHICAL SNAPSHOT OF FLOW CYTOMETRY MARKET	75
4	PREMIUM INSIGHTS	76
4.1	FLOW CYTOMETRY MARKET OVERVIEW	76
FIGURE 16	RIISING NEED FOR RESEARCH APPLICATIONS IN DRUG DISCOVERY & DEVELOPMENT TO DRIVE MARKET	76
4.2	NORTH AMERICA: FLOW CYTOMETRY MARKET, BY PRODUCT & SERVICE AND COUNTRY	77
FIGURE 17	REAGENTS & CONSUMABLES SEGMENT IN US ACCOUNTED FOR LARGEST MARKET SHARE IN 2022	77
4.3	FLOW CYTOMETRY MARKET SHARE, BY TECHNOLOGY, 2023 VS. 2028	78
FIGURE 18	CELL-BASED FLOW CYTOMETRY SEGMENT TO DOMINATE MARKET DURING FORECAST PERIOD	78
4.4	FLOW CYTOMETRY MARKET SHARE, BY END USER	78
FIGURE 19	ACADEMIC & RESEARCH INSTITUTES SEGMENT ACCOUNTED FOR LARGEST MARKET SHARE IN 2022	78
4.5	FLOW CYTOMETRY MARKET: GEOGRAPHICAL GROWTH OPPORTUNITIES	79
FIGURE 20	CHINA PROJECTED TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD	79
5	MARKET OVERVIEW	80
5.1	INTRODUCTION	80
5.2	MARKET DYNAMICS	80
FIGURE 21	FLOW CYTOMETRY MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES	80
5.2.1	DRIVERS	81
5.2.1.1	Rising incidence of HIV/AIDS and cancer	81
TABLE 4	INCIDENCE OF HIV/AIDS, BY REGION (2022)	81
TABLE 5	GLOBAL CANCER INCIDENCE, 2020 VS. 2040	81
5.2.1.2	Wide applications in research for drug discovery & development	82
5.2.1.3	Use of flow cytometry in regenerative medicine	83
5.2.1.4	Growing public-private initiatives in immunology and immuno-oncology research	84
5.2.1.5	Technological advancements in flow cytometry instruments	85
TABLE 6	KEY TECHNOLOGICAL ADVANCEMENTS (2019-2022)	85
5.2.2	RESTRAINTS	87
5.2.2.1	High product pricing	87

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5.2.3 OPPORTUNITIES 87

5.2.3.1 High growth potential in emerging economies 87

5.2.3.2 Rising focus on stem cell research 88

TABLE 7 ESTIMATED EXPENDITURE BY NIH FOR STEM CELL RESEARCH (2019-2024) 88

5.2.3.3 Uptake of recombinant DNA technology for antibody production 89

5.2.4 CHALLENGES 89

5.2.4.1 Complexities related to reagent development 89

5.2.4.2 Shortage of skilled professionals 89

5.3 SUPPLY CHAIN ANALYSIS 90

FIGURE 22 DIRECT DISTRIBUTION STRATEGY PREFERRED BY PROMINENT COMPANIES 91

5.4 VALUE CHAIN ANALYSIS 91

FIGURE 23 FLOW CYTOMETRY MARKET: VALUE CHAIN ANALYSIS 91

5.5 ECOSYSTEM ANALYSIS 92

FIGURE 24 FLOW CYTOMETRY MARKET: ECOSYSTEM MAP 92

5.5.1 ECOSYSTEM ROLE 92

5.6 REGULATORY ASSESSMENT 93

5.6.1 STRINGENT FDA REQUIREMENTS 93

5.6.2 ANALYTE-SPECIFIC REAGENT RULE 93

5.6.3 LIMITATIONS IN VALIDATION PROTOCOLS FOR CELL-BASED ASSAYS 93

5.6.4 ABSENCE OF GUIDELINES ON CELL-BASED FLUORESCENCE ASSAYS 93

5.6.5 IVD CE MARK APPROVALS 94

5.6.6 NORTH AMERICA: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS 94

TABLE 8 NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS 94

5.6.7 EUROPE: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS 95

TABLE 9 EUROPE: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER BODIES 95

5.6.8 ASIA PACIFIC: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS 96

TABLE 10 ASIA PACIFIC: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS 96

5.6.9 LATIN AMERICA: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS 97

TABLE 11 LATIN AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS 97

5.6.10 MIDDLE EAST & AFRICA: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS 97

TABLE 12 MIDDLE EAST & AFRICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS 97

5.7 PORTER'S FIVE FORCES ANALYSIS 98

TABLE 13 FLOW CYTOMETRY MARKET: PORTER'S FIVE FORCES ANALYSIS 98

5.7.1 INTENSITY OF COMPETITIVE RIVALRY 98

5.7.2 BARGAINING POWER OF SUPPLIERS 98

5.7.3 BARGAINING POWER OF BUYERS 99

5.7.4 THREAT OF SUBSTITUTES 99

5.7.5 THREAT OF NEW ENTRANTS 99

5.8 PATENT ANALYSIS 100

5.8.1 LIST OF MAJOR PATENTS 101

5.9 TRENDS/DISRUPTIONS IMPACTING CUSTOMERS' BUSINESSES 102

FIGURE 25 RISING USE OF FLOW CYTOMETRY IN CLINICAL APPLICATIONS TO DRIVE MARKET 102

5.10 PRICING ANALYSIS 102

5.10.1 AVERAGE SELLING PRICE OF FLOW CYTOMETERS, BY TYPE 102

TABLE 14 COST OF FLOW CYTOMETERS, BY TYPE 102

5.10.2 COST OF FLOW CYTOMETERS AND OTHER PRODUCTS, BY KEY PLAYERS 103

TABLE 15 COST OF FLOW CYTOMETERS AND OTHER PRODUCTS, BY KEY PLAYERS 103

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5.10.3	COST OF FLOW CYTOMETRY SOFTWARE	103
5.10.4	AVERAGE SELLING PRICE FOR FLOW CYTOMETRY INSTRUMENTS	103
5.11	KEY CONFERENCES AND EVENTS	104
TABLE 16	FLOW CYTOMETRY MARKET: DETAILED LIST OF CONFERENCES AND EVENTS (2023-2024)	104
5.12	TRADE DATA	104
TABLE 17	IMPORT DATA FOR FLOW CYTOMETERS, BY COUNTRY, 2017-2021 (USD THOUSAND)	104
TABLE 18	EXPORT DATA FOR FLOW CYTOMETERS, BY COUNTRY, 2017-2021 (USD THOUSAND)	105
TABLE 19	IMPORT DATA FOR FLOW CYTOMETERS, BY COUNTRY, 2022 (USD THOUSAND)	106
TABLE 20	EXPORT DATA FOR FLOW CYTOMETERS, BY COUNTRY, 2022 (USD THOUSAND)	107
5.13	KEY STAKEHOLDERS AND BUYING CRITERIA	108
FIGURE 26	KEY STAKEHOLDERS IN BUYING PROCESS	108
FIGURE 27	KEY BUYING CRITERIA FOR FLOW CYTOMETRY PRODUCTS AMONG END USERS	109
6	FLOW CYTOMETRY MARKET, BY TECHNOLOGY	110
6.1	INTRODUCTION	111
TABLE 21	FLOW CYTOMETRY MARKET, BY TECHNOLOGY, 2021-2028 (USD MILLION)	111
6.2	CELL-BASED FLOW CYTOMETRY	111
6.2.1	RIISING R&D INVESTMENTS FOR NEW THERAPEUTIC AGENTS TO DRIVE MARKET	111
TABLE 22	CELL-BASED FLOW CYTOMETRY MARKET, BY REGION, 2021-2028 (USD MILLION)	112
TABLE 23	NORTH AMERICA: CELL-BASED FLOW CYTOMETRY MARKET, BY COUNTRY, 2021-2028 (USD MILLION)	112
TABLE 24	EUROPE: CELL-BASED FLOW CYTOMETRY MARKET, BY COUNTRY, 2021-2028 (USD MILLION)	113
TABLE 25	ASIA PACIFIC: CELL-BASED FLOW CYTOMETRY MARKET, BY COUNTRY, 2021-2028 (USD MILLION)	113
TABLE 26	LATIN AMERICA: CELL-BASED FLOW CYTOMETRY MARKET, BY COUNTRY, 2021-2028 (USD MILLION)	114
6.3	BEAD-BASED FLOW CYTOMETRY	114
6.3.1	ABILITY TO OFFER HIGH RELIABILITY AND CONSISTENT MEASUREMENT TO SUPPORT MARKET GROWTH	114
FIGURE 28	BEAD-BASED FLOW CYTOMETRY MARKET: MARKET SHARE ANALYSIS (2022)	115
TABLE 27	BEAD-BASED FLOW CYTOMETRY MARKET, BY REGION, 2021-2028 (USD MILLION)	115
TABLE 28	NORTH AMERICA: BEAD-BASED FLOW CYTOMETRY MARKET, BY COUNTRY, 2021-2028 (USD MILLION)	116
TABLE 29	EUROPE: BEAD-BASED FLOW CYTOMETRY MARKET, BY COUNTRY, 2021-2028 (USD MILLION)	116
TABLE 30	ASIA PACIFIC: BEAD-BASED FLOW CYTOMETRY MARKET, BY COUNTRY, 2021-2028 (USD MILLION)	117
TABLE 31	LATIN AMERICA: BEAD-BASED FLOW CYTOMETRY MARKET, BY COUNTRY, 2021-2028 (USD MILLION)	117
7	FLOW CYTOMETRY MARKET, BY PRODUCT & SERVICE	118
7.1	INTRODUCTION	119
TABLE 32	FLOW CYTOMETRY MARKET, BY PRODUCT & SERVICE, 2021-2028 (USD MILLION)	119
7.2	REAGENTS & CONSUMABLES	119
7.2.1	RECURRING REQUIREMENT OF CONSUMABLES AND DEVELOPMENT OF HIGH-QUALITY REAGENTS TO DRIVE MARKET	119
TABLE 33	FLOW CYTOMETRY MARKET FOR REAGENTS & CONSUMABLES, BY REGION, 2021-2028 (USD MILLION)	120
TABLE 34	NORTH AMERICA: FLOW CYTOMETRY MARKET FOR REAGENTS & CONSUMABLES, BY COUNTRY, 2021-2028 (USD MILLION)	120
TABLE 35	EUROPE: FLOW CYTOMETRY MARKET FOR REAGENTS & CONSUMABLES, BY COUNTRY, 2021-2028 (USD MILLION)	121
TABLE 36	ASIA PACIFIC: FLOW CYTOMETRY MARKET FOR REAGENTS & CONSUMABLES, BY COUNTRY, 2021-2028 (USD MILLION)	121
TABLE 37	LATIN AMERICA: FLOW CYTOMETRY MARKET FOR REAGENTS & CONSUMABLES, BY COUNTRY, 2021-2028 (USD MILLION)	122
7.3	INSTRUMENTS	122
TABLE 38	FLOW CYTOMETRY MARKET FOR INSTRUMENTS, BY TYPE, 2021-2028 (USD MILLION)	123
TABLE 39	FLOW CYTOMETRY MARKET FOR INSTRUMENTS, BY REGION, 2021-2028 (USD MILLION)	123
TABLE 40	NORTH AMERICA: FLOW CYTOMETRY MARKET FOR INSTRUMENTS, BY COUNTRY, 2021-2028 (USD MILLION)	123
TABLE 41	EUROPE: FLOW CYTOMETRY MARKET FOR INSTRUMENTS, BY COUNTRY, 2021-2028 (USD MILLION)	124

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TABLE 42 ASIA PACIFIC: FLOW CYTOMETRY MARKET FOR INSTRUMENTS, BY COUNTRY, 2021-2028 (USD MILLION) 124

TABLE 43 LATIN AMERICA: FLOW CYTOMETRY MARKET FOR INSTRUMENTS, BY COUNTRY, 2021-2028 (USD MILLION) 125

7.3.1 CELL ANALYZERS 125

TABLE 44 FLOW CYTOMETRY MARKET FOR CELL ANALYZERS, BY PRICE RANGE, 2021-2028 (USD MILLION) 126

TABLE 45 FLOW CYTOMETRY MARKET FOR CELL ANALYZERS, BY REGION, 2021-2028 (USD MILLION) 126

TABLE 46 NORTH AMERICA: FLOW CYTOMETRY MARKET FOR CELL ANALYZERS, BY COUNTRY, 2021-2028 (USD MILLION) 127

TABLE 47 EUROPE: FLOW CYTOMETRY MARKET FOR CELL ANALYZERS, BY COUNTRY, 2021-2028 (USD MILLION) 127

TABLE 48 ASIA PACIFIC: FLOW CYTOMETRY MARKET FOR CELL ANALYZERS, BY COUNTRY, 2021-2028 (USD MILLION) 128

TABLE 49 LATIN AMERICA: FLOW CYTOMETRY MARKET FOR CELL ANALYZERS, BY COUNTRY, 2021-2028 (USD MILLION) 128

7.3.1.1 High-range cell analyzers 129

7.3.1.1.1 Advantages of higher sensitivity and accuracy to drive adoption among end users 129

TABLE 50 FLOW CYTOMETRY MARKET FOR HIGH-RANGE CELL ANALYZERS, BY REGION, 2021-2028 (USD MILLION) 129

TABLE 51 NORTH AMERICA: FLOW CYTOMETRY MARKET FOR HIGH-RANGE CELL ANALYZERS, BY COUNTRY, 2021-2028 (USD MILLION) 129

TABLE 52 EUROPE: FLOW CYTOMETRY MARKET FOR HIGH-RANGE CELL ANALYZERS, BY COUNTRY, 2021-2028 (USD MILLION) 130

TABLE 53 ASIA PACIFIC: FLOW CYTOMETRY MARKET FOR HIGH-RANGE CELL ANALYZERS, BY COUNTRY, 2021-2028 (USD MILLION) 130

TABLE 54 LATIN AMERICA: FLOW CYTOMETRY MARKET FOR HIGH-RANGE CELL ANALYZERS, BY COUNTRY, 2021-2028 (USD MILLION) 131

7.3.1.2 Mid-range cell analyzers 131

7.3.1.2.1 Availability of compact & high-performance analyzers to support market growth 131

TABLE 55 FLOW CYTOMETRY MARKET FOR MID-RANGE CELL ANALYZERS, BY REGION, 2021-2028 (USD MILLION) 131

TABLE 56 NORTH AMERICA: FLOW CYTOMETRY MARKET FOR MID-RANGE CELL ANALYZERS, BY COUNTRY, 2021-2028 (USD MILLION) 132

TABLE 57 EUROPE: FLOW CYTOMETRY MARKET FOR MID-RANGE CELL ANALYZERS, BY COUNTRY, 2021-2028 (USD MILLION) 132

TABLE 58 ASIA PACIFIC: FLOW CYTOMETRY MARKET FOR MID-RANGE CELL ANALYZERS, BY COUNTRY, 2021-2028 (USD MILLION) 133

TABLE 59 LATIN AMERICA: FLOW CYTOMETRY MARKET FOR MID-RANGE CELL ANALYZERS, BY COUNTRY, 2021-2028 (USD MILLION) 133

7.3.1.3 Low-range cell analyzers 133

7.3.1.3.1 High adoption among price-sensitive end users to propel market 133

TABLE 60 FLOW CYTOMETRY MARKET FOR LOW-RANGE CELL ANALYZERS, BY REGION, 2021-2028 (USD MILLION) 134

TABLE 61 NORTH AMERICA: FLOW CYTOMETRY MARKET FOR LOW-RANGE CELL ANALYZERS, BY COUNTRY, 2021-2028 (USD MILLION) 134

TABLE 62 EUROPE: FLOW CYTOMETRY MARKET FOR LOW-RANGE CELL ANALYZERS, BY COUNTRY, 2021-2028 (USD MILLION) 135

TABLE 63 ASIA PACIFIC: FLOW CYTOMETRY MARKET FOR LOW-RANGE CELL ANALYZERS, BY COUNTRY, 2021-2028 (USD MILLION) 135

TABLE 64 LATIN AMERICA: FLOW CYTOMETRY MARKET FOR LOW-RANGE CELL ANALYZERS, BY COUNTRY, 2021-2028 (USD MILLION) 136

7.3.2 CELL SORTERS 136

TABLE 65 FLOW CYTOMETRY MARKET FOR CELL SORTERS, BY PRICE RANGE, 2021-2028 (USD MILLION) 137

TABLE 66 FLOW CYTOMETRY MARKET FOR CELL SORTERS, BY REGION, 2021-2028 (USD MILLION) 137

TABLE 67 NORTH AMERICA: FLOW CYTOMETRY MARKET FOR CELL SORTERS, BY COUNTRY, 2021-2028 (USD MILLION) 137

TABLE 68 EUROPE: FLOW CYTOMETRY MARKET FOR CELL SORTERS, BY COUNTRY, 2021-2028 (USD MILLION) 138

TABLE 69 ASIA PACIFIC: FLOW CYTOMETRY MARKET FOR CELL SORTERS, BY COUNTRY, 2021-2028 (USD MILLION) 138

TABLE 70 LATIN AMERICA: FLOW CYTOMETRY MARKET FOR CELL SORTERS, BY COUNTRY, 2021-2028 (USD MILLION) 139

7.3.2.1 High-range cell sorters 139

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7.3.2.1.1	High adoption among core laboratories due to procedural benefits to drive market	139
TABLE 71	FLOW CYTOMETRY MARKET FOR HIGH-RANGE CELL SORTERS, BY REGION, 2021-2028 (USD MILLION)	139
TABLE 72	NORTH AMERICA: FLOW CYTOMETRY MARKET FOR HIGH-RANGE CELL SORTERS, BY COUNTRY, 2021-2028 (USD MILLION)	140
TABLE 73	EUROPE: FLOW CYTOMETRY MARKET FOR HIGH-RANGE CELL SORTERS, BY COUNTRY, 2021-2028 (USD MILLION)	140
TABLE 74	ASIA PACIFIC: FLOW CYTOMETRY MARKET FOR HIGH-RANGE CELL SORTERS, BY COUNTRY, 2021-2028 (USD MILLION)	141
TABLE 75	LATIN AMERICA: FLOW CYTOMETRY MARKET FOR HIGH-RANGE CELL SORTERS, BY COUNTRY, 2021-2028 (USD MILLION)	141
7.3.2.2	Mid-range cell sorters	141
7.3.2.2.1	Cost-efficiency and frequent product launches to drive market	141
TABLE 76	FLOW CYTOMETRY MARKET FOR MID-RANGE CELL SORTERS, BY REGION, 2021-2028 (USD MILLION)	142
TABLE 77	NORTH AMERICA: FLOW CYTOMETRY MARKET FOR MID-RANGE CELL SORTERS, BY COUNTRY, 2021-2028 (USD MILLION)	142
TABLE 78	EUROPE: FLOW CYTOMETRY MARKET FOR MID-RANGE CELL SORTERS, BY COUNTRY, 2021-2028 (USD MILLION)	143
TABLE 79	ASIA PACIFIC: FLOW CYTOMETRY MARKET FOR MID-RANGE CELL SORTERS, BY COUNTRY, 2021-2028 (USD MILLION)	143
TABLE 80	LATIN AMERICA: FLOW CYTOMETRY MARKET FOR MID-RANGE CELL SORTERS, BY COUNTRY, 2021-2028 (USD MILLION)	144
7.3.2.3	Low-range cell sorters	144
7.3.2.3.1	Increasing use in small labs and research facilities to drive market	144
TABLE 81	FLOW CYTOMETRY MARKET FOR LOW-RANGE CELL SORTERS, BY REGION, 2021-2028 (USD MILLION)	144
TABLE 82	NORTH AMERICA: FLOW CYTOMETRY MARKET FOR LOW-RANGE CELL SORTERS, BY COUNTRY, 2021-2028 (USD MILLION)	145
TABLE 83	EUROPE: FLOW CYTOMETRY MARKET FOR LOW-RANGE CELL SORTERS, BY COUNTRY, 2021-2028 (USD MILLION)	145
TABLE 84	ASIA PACIFIC: FLOW CYTOMETRY MARKET FOR LOW-RANGE CELL SORTERS, BY COUNTRY, 2021-2028 (USD MILLION)	145
TABLE 85	LATIN AMERICA: FLOW CYTOMETRY MARKET FOR LOW-RANGE CELL SORTERS, BY COUNTRY, 2021-2028 (USD MILLION)	146
7.4	SERVICES	146
7.4.1	ABILITY TO ENSURE WORKFLOW CONTINUITY AND MAXIMIZE PERFORMANCE TO DRIVE MARKET	146
TABLE 86	FLOW CYTOMETRY MARKET FOR SERVICES, BY REGION, 2021-2028 (USD MILLION)	147
TABLE 87	NORTH AMERICA: FLOW CYTOMETRY MARKET FOR SERVICES, BY COUNTRY, 2021-2028 (USD MILLION)	147
TABLE 88	EUROPE: FLOW CYTOMETRY MARKET FOR SERVICES, BY COUNTRY, 2021-2028 (USD MILLION)	147
TABLE 89	ASIA PACIFIC: FLOW CYTOMETRY MARKET FOR SERVICES, BY COUNTRY, 2021-2028 (USD MILLION)	148
TABLE 90	LATIN AMERICA: FLOW CYTOMETRY MARKET FOR SERVICES, BY COUNTRY, 2021-2028 (USD MILLION)	148
7.5	SOFTWARE	149
7.5.1	GROWING AVAILABILITY OF TECHNOLOGICALLY ADVANCED DATA ANALYSIS SOFTWARE TO DRIVE MARKET	149
TABLE 91	FLOW CYTOMETRY MARKET FOR SOFTWARE, BY REGION, 2021-2028 (USD MILLION)	149
7.6	ACCESSORIES	150
7.6.1	PROCEDURAL BENEFITS OF CUSTOMIZATION AND UPGRADES TO SUPPORT MARKET GROWTH	150
TABLE 92	FLOW CYTOMETRY MARKET FOR ACCESSORIES, BY REGION, 2021-2028 (USD MILLION)	150
8	FLOW CYTOMETRY MARKET, BY APPLICATION	151
8.1	INTRODUCTION	152
TABLE 93	FLOW CYTOMETRY MARKET, BY APPLICATION, 2021-2028 (USD MILLION)	152
8.2	RESEARCH APPLICATIONS	152
TABLE 94	FLOW CYTOMETRY MARKET FOR RESEARCH APPLICATIONS, BY TYPE, 2021-2028 (USD MILLION)	153
TABLE 95	FLOW CYTOMETRY MARKET FOR RESEARCH APPLICATIONS, BY REGION, 2021-2028 (USD MILLION)	153
TABLE 96	NORTH AMERICA: FLOW CYTOMETRY MARKET FOR RESEARCH APPLICATIONS, BY COUNTRY, 2021-2028 (USD MILLION)	154

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TABLE 97 □ EUROPE: FLOW CYTOMETRY MARKET FOR RESEARCH APPLICATIONS, BY COUNTRY, 2021-2028 (USD MILLION) □ 154

TABLE 98 □ ASIA PACIFIC: FLOW CYTOMETRY MARKET FOR RESEARCH APPLICATIONS, BY COUNTRY, 2021-2028 (USD MILLION) □ 155

TABLE 99 □ LATIN AMERICA: FLOW CYTOMETRY MARKET FOR RESEARCH APPLICATIONS, BY COUNTRY, 2021-2028 (USD MILLION) □ 155

8.2.1 □ PHARMACEUTICAL & BIOTECHNOLOGY □ 156

TABLE 100 □ FLOW CYTOMETRY MARKET FOR PHARMACEUTICAL & BIOTECHNOLOGY, BY TYPE, 2021-2028 (USD MILLION) □ 156

TABLE 101 □ FLOW CYTOMETRY MARKET FOR PHARMACEUTICAL & BIOTECHNOLOGY, BY REGION, 2021-2028 (USD MILLION) □ 156

TABLE 102 □ NORTH AMERICA: FLOW CYTOMETRY MARKET FOR PHARMACEUTICAL & BIOTECHNOLOGY, BY COUNTRY, 2021-2028 (USD MILLION) □ 157

TABLE 103 □ EUROPE: FLOW CYTOMETRY MARKET FOR PHARMACEUTICAL & BIOTECHNOLOGY, BY COUNTRY, 2021-2028 (USD MILLION) □ 157

TABLE 104 □ ASIA PACIFIC: FLOW CYTOMETRY MARKET FOR PHARMACEUTICAL & BIOTECHNOLOGY, BY COUNTRY, 2021-2028 (USD MILLION) □ 158

TABLE 105 □ LATIN AMERICA: FLOW CYTOMETRY MARKET FOR PHARMACEUTICAL & BIOTECHNOLOGY, BY COUNTRY, 2021-2028 (USD MILLION) □ 158

8.2.1.1 □ Drug discovery □ 159

8.2.1.1.1 □ Growing use of phenotypic cell-based assays in drug discovery to drive market □ 159

TABLE 106 □ FLOW CYTOMETRY MARKET FOR DRUG DISCOVERY, BY REGION, 2021-2028 (USD MILLION) □ 160

TABLE 107 □ NORTH AMERICA: FLOW CYTOMETRY MARKET FOR DRUG DISCOVERY, BY COUNTRY, 2021-2028 (USD MILLION) □ 160

TABLE 108 □ EUROPE: FLOW CYTOMETRY MARKET FOR DRUG DISCOVERY, BY COUNTRY, 2021-2028 (USD MILLION) □ 161

TABLE 109 □ ASIA PACIFIC: FLOW CYTOMETRY MARKET FOR DRUG DISCOVERY, BY COUNTRY, 2021-2028 (USD MILLION) □ 161

TABLE 110 □ LATIN AMERICA: FLOW CYTOMETRY MARKET FOR DRUG DISCOVERY, BY COUNTRY, 2021-2028 (USD MILLION) □ 162

8.2.1.2 □ Stem cell research □ 162

8.2.1.2.1 □ Rising incidence of cancer to propel market □ 162

TABLE 111 □ FLOW CYTOMETRY MARKET FOR STEM CELL RESEARCH, BY REGION, 2021-2028 (USD MILLION) □ 163

TABLE 112 □ NORTH AMERICA: FLOW CYTOMETRY MARKET FOR STEM CELL RESEARCH, BY COUNTRY, 2021-2028 (USD MILLION) □ 163

TABLE 113 □ EUROPE: FLOW CYTOMETRY MARKET FOR STEM CELL RESEARCH, BY COUNTRY, 2021-2028 (USD MILLION) □ 164

TABLE 114 □ ASIA PACIFIC: FLOW CYTOMETRY MARKET FOR STEM CELL RESEARCH, BY COUNTRY, 2021-2028 (USD MILLION) □ 164

TABLE 115 □ LATIN AMERICA: FLOW CYTOMETRY MARKET FOR STEM CELL RESEARCH, BY COUNTRY, 2021-2028 (USD MILLION) □ 165

8.2.1.3 □ In vitro toxicity testing □ 165

8.2.1.3.1 □ Rising need to curtail drug attrition rates to support market growth □ 165

TABLE 116 □ FLOW CYTOMETRY MARKET FOR IN VITRO TOXICITY TESTING, BY REGION, 2021-2028 (USD MILLION) □ 166

TABLE 117 □ NORTH AMERICA: FLOW CYTOMETRY MARKET FOR IN VITRO TOXICITY TESTING, BY COUNTRY, 2021-2028 (USD MILLION) □ 166

TABLE 118 □ EUROPE: FLOW CYTOMETRY MARKET FOR IN VITRO TOXICITY TESTING, BY COUNTRY, 2021-2028 (USD MILLION) □ 166

TABLE 119 □ ASIA PACIFIC: FLOW CYTOMETRY MARKET FOR IN VITRO TOXICITY TESTING, BY COUNTRY, 2021-2028 (USD MILLION) □ 167

TABLE 120 □ LATIN AMERICA: FLOW CYTOMETRY MARKET FOR IN VITRO TOXICITY TESTING, BY COUNTRY, 2021-2028 (USD MILLION) □ 167

8.2.2 □ IMMUNOLOGY □ 167

8.2.2.1 □ Increasing prevalence of infectious & autoimmune diseases to drive market □ 167

TABLE 121 □ FLOW CYTOMETRY MARKET FOR IMMUNOLOGY, BY REGION, 2021-2028 (USD MILLION) □ 168

TABLE 122 □ NORTH AMERICA: FLOW CYTOMETRY MARKET FOR IMMUNOLOGY, BY COUNTRY, 2021-2028 (USD MILLION) □ 168

TABLE 123 □ EUROPE: FLOW CYTOMETRY MARKET FOR IMMUNOLOGY, BY COUNTRY, 2021-2028 (USD MILLION) □ 169

TABLE 124 □ ASIA PACIFIC: FLOW CYTOMETRY MARKET FOR IMMUNOLOGY, BY COUNTRY, 2021-2028 (USD MILLION) □ 169

TABLE 125 □ LATIN AMERICA: FLOW CYTOMETRY MARKET FOR IMMUNOLOGY, BY COUNTRY, 2021-2028 (USD MILLION) □ 170

8.2.3 □ CELL SORTING □ 170

8.2.3.1 □ Development of technologically advanced cell sorters to drive market □ 170

TABLE 126 □ FLOW CYTOMETRY MARKET FOR CELL SORTING, BY REGION, 2021-2028 (USD MILLION) □ 171

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TABLE 127 NORTH AMERICA: FLOW CYTOMETRY MARKET FOR CELL SORTING, BY COUNTRY, 2021-2028 (USD MILLION) 171

TABLE 128 EUROPE: FLOW CYTOMETRY MARKET FOR CELL SORTING, BY COUNTRY, 2021-2028 (USD MILLION) 171

TABLE 129 ASIA PACIFIC: FLOW CYTOMETRY MARKET FOR CELL SORTING, BY COUNTRY, 2021-2028 (USD MILLION) 172

TABLE 130 LATIN AMERICA: FLOW CYTOMETRY MARKET FOR CELL SORTING, BY COUNTRY, 2021-2028 (USD MILLION) 172

8.2.4 APOPTOSIS 173

8.2.4.1 Wide availability of apoptosis assays to support market growth 173

TABLE 131 FLOW CYTOMETRY MARKET FOR APOPTOSIS, BY REGION, 2021-2028 (USD MILLION) 173

TABLE 132 NORTH AMERICA: FLOW CYTOMETRY MARKET FOR APOPTOSIS, BY COUNTRY, 2021-2028 (USD MILLION) 173

TABLE 133 EUROPE: FLOW CYTOMETRY MARKET FOR APOPTOSIS, BY COUNTRY, 2021-2028 (USD MILLION) 174

TABLE 134 ASIA PACIFIC: FLOW CYTOMETRY MARKET FOR APOPTOSIS, BY COUNTRY, 2021-2028 (USD MILLION) 174

TABLE 135 LATIN AMERICA: FLOW CYTOMETRY MARKET FOR APOPTOSIS, BY COUNTRY, 2021-2028 (USD MILLION) 175

8.2.5 CELL CYCLE ANALYSIS 175

8.2.5.1 Ability to detect chromosomal abnormalities to propel market 175

TABLE 136 FLOW CYTOMETRY MARKET FOR CELL CYCLE ANALYSIS, BY REGION, 2021-2028 (USD MILLION) 175

TABLE 137 NORTH AMERICA: FLOW CYTOMETRY MARKET FOR CELL CYCLE ANALYSIS, BY COUNTRY, 2021-2028 (USD MILLION) 176

TABLE 138 EUROPE: FLOW CYTOMETRY MARKET FOR CELL CYCLE ANALYSIS, BY COUNTRY, 2021-2028 (USD MILLION) 176

TABLE 139 ASIA PACIFIC: FLOW CYTOMETRY MARKET FOR CELL CYCLE ANALYSIS, BY COUNTRY, 2021-2028 (USD MILLION) 177

TABLE 140 LATIN AMERICA: FLOW CYTOMETRY MARKET FOR CELL CYCLE ANALYSIS, BY COUNTRY, 2021-2028 (USD MILLION) 177

8.2.6 CELL VIABILITY 178

8.2.6.1 Assessing physiological characteristics of specific target cells to support market growth 178

TABLE 141 FLOW CYTOMETRY MARKET FOR CELL VIABILITY, BY REGION, 2021-2028 (USD MILLION) 178

TABLE 142 NORTH AMERICA: FLOW CYTOMETRY MARKET FOR CELL VIABILITY, BY COUNTRY, 2021-2028 (USD MILLION) 178

TABLE 143 EUROPE: FLOW CYTOMETRY MARKET FOR CELL VIABILITY, BY COUNTRY, 2021-2028 (USD MILLION) 179

TABLE 144 ASIA PACIFIC: FLOW CYTOMETRY MARKET FOR CELL VIABILITY, BY COUNTRY, 2021-2028 (USD MILLION) 179

TABLE 145 LATIN AMERICA: FLOW CYTOMETRY MARKET FOR CELL VIABILITY, BY COUNTRY, 2021-2028 (USD MILLION) 180

8.2.7 CELL COUNTING 180

8.2.7.1 Ability to simultaneously analyze additional parameters with high accuracy to drive market 180

TABLE 146 FLOW CYTOMETRY MARKET FOR CELL COUNTING, BY REGION, 2021-2028 (USD MILLION) 181

TABLE 147 NORTH AMERICA: FLOW CYTOMETRY MARKET FOR CELL COUNTING, BY COUNTRY, 2021-2028 (USD MILLION) 181

TABLE 148 EUROPE: FLOW CYTOMETRY MARKET FOR CELL COUNTING, BY COUNTRY, 2021-2028 (USD MILLION) 181

TABLE 149 ASIA PACIFIC: FLOW CYTOMETRY MARKET FOR CELL COUNTING, BY COUNTRY, 2021-2028 (USD MILLION) 182

TABLE 150 LATIN AMERICA: FLOW CYTOMETRY MARKET FOR CELL COUNTING, BY COUNTRY, 2021-2028 (USD MILLION) 182

8.2.8 OTHER RESEARCH APPLICATIONS 183

TABLE 151 FLOW CYTOMETRY MARKET FOR OTHER RESEARCH APPLICATIONS, BY REGION, 2021-2028 (USD MILLION) 183

TABLE 152 NORTH AMERICA: FLOW CYTOMETRY MARKET FOR OTHER RESEARCH APPLICATIONS, BY COUNTRY, 2021-2028 (USD MILLION) 183

TABLE 153 EUROPE: FLOW CYTOMETRY MARKET FOR OTHER RESEARCH APPLICATIONS, BY COUNTRY, 2021-2028 (USD MILLION) 184

TABLE 154 ASIA PACIFIC: FLOW CYTOMETRY MARKET FOR OTHER RESEARCH APPLICATIONS, BY COUNTRY, 2021-2028 (USD MILLION) 184

TABLE 155 LATIN AMERICA: FLOW CYTOMETRY MARKET FOR OTHER RESEARCH APPLICATIONS, BY COUNTRY, 2021-2028 (USD MILLION) 184

8.3 CLINICAL APPLICATIONS 185

TABLE 156 FLOW CYTOMETRY MARKET FOR CLINICAL APPLICATIONS, BY TYPE, 2021-2028 (USD MILLION) 185

TABLE 157 FLOW CYTOMETRY MARKET FOR CLINICAL APPLICATIONS, BY REGION, 2021-2028 (USD MILLION) 185

TABLE 158 NORTH AMERICA: FLOW CYTOMETRY MARKET FOR CLINICAL APPLICATIONS, BY COUNTRY, 2021-2028 (USD MILLION) 186

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TABLE 159 □ EUROPE: FLOW CYTOMETRY MARKET FOR CLINICAL APPLICATIONS, BY COUNTRY, 2021-2028 (USD MILLION) □ 186

TABLE 160 □ ASIA PACIFIC: FLOW CYTOMETRY MARKET FOR CLINICAL APPLICATIONS, BY COUNTRY, 2021-2028 (USD MILLION) □ 187

TABLE 161 □ LATIN AMERICA: FLOW CYTOMETRY MARKET FOR CLINICAL APPLICATIONS, BY COUNTRY, 2021-2028 (USD MILLION) □ 187

8.3.1 □ CANCER □ 188

8.3.1.1 □ Rising use in prediction of cancer recurrence to drive market □ 188

TABLE 162 □ ESTIMATED NUMBER OF NEW CANCER CASES (2020 ?2040) □ 188

TABLE 163 □ FLOW CYTOMETRY MARKET FOR CANCER, BY REGION, 2021-2028 (USD MILLION) □ 189

TABLE 164 □ NORTH AMERICA: FLOW CYTOMETRY MARKET FOR CANCER, BY COUNTRY, 2021-2028 (USD MILLION) □ 189

TABLE 165 □ EUROPE: FLOW CYTOMETRY MARKET FOR CANCER, BY COUNTRY, 2021-2028 (USD MILLION) □ 189

TABLE 166 □ ASIA PACIFIC: FLOW CYTOMETRY MARKET FOR CANCER, BY COUNTRY, 2021-2028 (USD MILLION) □ 190

TABLE 167 □ LATIN AMERICA: FLOW CYTOMETRY MARKET FOR CANCER, BY COUNTRY, 2021-2028 (USD MILLION) □ 190

8.3.2 □ HEMATOLOGY □ 191

8.3.2.1 □ Assessment in hematopoiesis and bone marrow function to drive market □ 191

TABLE 168 □ FLOW CYTOMETRY MARKET FOR HEMATOLOGY, BY REGION, 2021-2028 (USD MILLION) □ 191

TABLE 169 □ NORTH AMERICA: FLOW CYTOMETRY MARKET FOR HEMATOLOGY, BY COUNTRY, 2021-2028 (USD MILLION) □ 191

TABLE 170 □ EUROPE: FLOW CYTOMETRY MARKET FOR HEMATOLOGY, BY COUNTRY, 2021-2028 (USD MILLION) □ 192

TABLE 171 □ ASIA PACIFIC: FLOW CYTOMETRY MARKET FOR HEMATOLOGY, BY COUNTRY, 2021-2028 (USD MILLION) □ 192

TABLE 172 □ LATIN AMERICA: FLOW CYTOMETRY MARKET FOR HEMATOLOGY, BY COUNTRY, 2021-2028 (USD MILLION) □ 193

8.3.3 □ IMMUNODEFICIENCY DISEASES □ 193

8.3.3.1 □ Detection of HIV infection and analysis of antigen-specific T-cells to propel market □ 193

TABLE 173 □ APPLICATION OF FLOW CYTOMETRY IN DIAGNOSIS OF PRIMARY IMMUNODEFICIENCY DISEASES □ 194

TABLE 174 □ FLOW CYTOMETRY MARKET FOR IMMUNODEFICIENCY DISEASES, BY REGION, 2021-2028 (USD MILLION) □ 195

TABLE 175 □ NORTH AMERICA: FLOW CYTOMETRY MARKET FOR IMMUNODEFICIENCY DISEASES, BY COUNTRY, 2021-2028 (USD MILLION) □ 196

TABLE 176 □ EUROPE: FLOW CYTOMETRY MARKET FOR IMMUNODEFICIENCY DISEASES, BY COUNTRY, 2021-2028 (USD MILLION) □ 196

TABLE 177 □ ASIA PACIFIC: FLOW CYTOMETRY MARKET FOR IMMUNODEFICIENCY DISEASES, BY COUNTRY, 2021-2028 (USD MILLION) □ 197

TABLE 178 □ LATIN AMERICA: FLOW CYTOMETRY MARKET FOR IMMUNODEFICIENCY DISEASES, BY COUNTRY, 2021-2028 (USD MILLION) □ 197

8.3.4 □ ORGAN & TISSUE TRANSPLANTATION □ 197

8.3.4.1 □ Detection of specific antibodies for donor selection to drive market □ 197

TABLE 179 □ FLOW CYTOMETRY MARKET FOR ORGAN & TISSUE TRANSPLANTATION, BY REGION, 2021-2028 (USD MILLION) □ 198

TABLE 180 □ NORTH AMERICA: FLOW CYTOMETRY MARKET FOR ORGAN & TISSUE TRANSPLANTATION, BY COUNTRY, 2021-2028 (USD MILLION) □ 198

TABLE 181 □ EUROPE: FLOW CYTOMETRY MARKET FOR ORGAN & TISSUE TRANSPLANTATION, BY COUNTRY, 2021-2028 (USD MILLION) □ 199

TABLE 182 □ ASIA PACIFIC: FLOW CYTOMETRY MARKET FOR ORGAN & TISSUE TRANSPLANTATION, BY COUNTRY, 2021-2028 (USD MILLION) □ 199

TABLE 183 □ LATIN AMERICA: FLOW CYTOMETRY MARKET FOR ORGAN & TISSUE TRANSPLANTATION, BY COUNTRY, 2021-2028 (USD MILLION) □ 200

8.3.5 □ OTHER CLINICAL APPLICATIONS □ 200

TABLE 184 □ FLOW CYTOMETRY MARKET FOR OTHER CLINICAL APPLICATIONS, BY REGION, 2021-2028 (USD MILLION) □ 200

TABLE 185 □ NORTH AMERICA: FLOW CYTOMETRY MARKET FOR OTHER CLINICAL APPLICATIONS, BY COUNTRY, 2021-2028 (USD MILLION) □ 201

TABLE 186 □ EUROPE: FLOW CYTOMETRY MARKET FOR OTHER CLINICAL APPLICATIONS, BY COUNTRY, 2021-2028 (USD MILLION) □ 201

TABLE 187 □ ASIA PACIFIC: FLOW CYTOMETRY MARKET FOR OTHER CLINICAL APPLICATIONS, BY COUNTRY, 2021-2028 (USD MILLION) □ 201

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TABLE 188 □ LATIN AMERICA: FLOW CYTOMETRY MARKET FOR OTHER CLINICAL APPLICATIONS, BY COUNTRY, 2021-2028 (USD MILLION) □ 202

8.4 □ INDUSTRIAL APPLICATIONS □ 202

8.4.1 □ RISING USE IN ENERGY AND FOOD & DAIRY SECTORS TO SUPPORT MARKET GROWTH □ 202

TABLE 189 □ FLOW CYTOMETRY MARKET FOR INDUSTRIAL APPLICATIONS, BY REGION, 2021-2028 (USD MILLION) □ 203

TABLE 190 □ NORTH AMERICA: FLOW CYTOMETRY MARKET FOR INDUSTRIAL APPLICATIONS, BY COUNTRY, 2021-2028 (USD MILLION) □ 203

TABLE 191 □ EUROPE: FLOW CYTOMETRY MARKET FOR INDUSTRIAL APPLICATIONS, BY COUNTRY, 2021-2028 (USD MILLION) □ 203

TABLE 192 □ ASIA PACIFIC: FLOW CYTOMETRY MARKET FOR INDUSTRIAL APPLICATIONS, BY COUNTRY, 2021-2028 (USD MILLION) □ 204

TABLE 193 □ LATIN AMERICA: FLOW CYTOMETRY MARKET FOR INDUSTRIAL APPLICATIONS, BY COUNTRY, 2021-2028 (USD MILLION) □ 204

9 □ FLOW CYTOMETRY MARKET, BY END USER □ 205

9.1 □ INTRODUCTION □ 206

TABLE 194 □ FLOW CYTOMETRY MARKET, BY END USER, 2021-2028 (USD MILLION) □ 206

9.2 □ ACADEMIC AND RESEARCH INSTITUTES □ 206

9.2.1 □ GROWING USE OF FLOW CYTOMETRY IN CANCER & STEM CELL RESEARCH TO DRIVE MARKET □ 206

TABLE 195 □ FLOW CYTOMETRY MARKET FOR ACADEMIC AND RESEARCH INSTITUTES, BY REGION, 2021-2028 (USD MILLION) □ 207

TABLE 196 □ NORTH AMERICA: FLOW CYTOMETRY MARKET FOR ACADEMIC AND RESEARCH INSTITUTES, BY COUNTRY, 2021-2028 (USD MILLION) □ 208

TABLE 197 □ EUROPE: FLOW CYTOMETRY MARKET FOR ACADEMIC AND RESEARCH INSTITUTES, BY COUNTRY, 2021-2028 (USD MILLION) □ 208

TABLE 198 □ ASIA PACIFIC: FLOW CYTOMETRY MARKET FOR ACADEMIC AND RESEARCH INSTITUTES, BY COUNTRY, 2021-2028 (USD MILLION) □ 209

TABLE 199 □ LATIN AMERICA: FLOW CYTOMETRY MARKET FOR ACADEMIC AND RESEARCH INSTITUTES, BY COUNTRY, 2021-2028 (USD MILLION) □ 209

9.3 □ HOSPITALS AND CLINICAL TESTING LABORATORIES □ 210

9.3.1 □ RISING USE IN CLINICAL APPLICATIONS FOR INFECTIOUS DISEASE DIAGNOSTICS TO PROPEL MARKET □ 210

TABLE 200 □ FLOW CYTOMETRY MARKET FOR HOSPITALS AND CLINICAL TESTING LABORATORIES, BY REGION, 2021-2028 (USD MILLION) □ 210

TABLE 201 □ NORTH AMERICA: FLOW CYTOMETRY MARKET FOR HOSPITALS AND CLINICAL TESTING LABORATORIES, BY COUNTRY, 2021-2028 (USD MILLION) □ 211

TABLE 202 □ EUROPE: FLOW CYTOMETRY MARKET FOR HOSPITALS AND CLINICAL TESTING LABORATORIES, BY COUNTRY, 2021-2028 (USD MILLION) □ 211

TABLE 203 □ ASIA PACIFIC: FLOW CYTOMETRY MARKET FOR HOSPITALS AND CLINICAL TESTING LABORATORIES, BY COUNTRY, 2021-2028 (USD MILLION) □ 212

TABLE 204 □ LATIN AMERICA: FLOW CYTOMETRY MARKET FOR HOSPITALS AND CLINICAL TESTING LABORATORIES, BY COUNTRY, 2021-2028 (USD MILLION) □ 212

9.4 □ PHARMACEUTICAL AND BIOTECHNOLOGY COMPANIES □ 213

9.4.1 □ INCREASING NUMBER OF CLINICAL TRIALS TO SUPPORT MARKET GROWTH □ 213

TABLE 205 □ FLOW CYTOMETRY MARKET FOR PHARMACEUTICAL AND BIOTECHNOLOGY COMPANIES, BY REGION, 2021-2028 (USD MILLION) □ 213

TABLE 206 □ NORTH AMERICA: FLOW CYTOMETRY MARKET FOR PHARMACEUTICAL AND BIOTECHNOLOGY COMPANIES, BY COUNTRY, 2021-2028 (USD MILLION) □ 214

TABLE 207 □ EUROPE: FLOW CYTOMETRY MARKET FOR PHARMACEUTICAL AND BIOTECHNOLOGY COMPANIES, BY COUNTRY, 2021-2028 (USD MILLION) □ 214

TABLE 208 □ ASIA PACIFIC: FLOW CYTOMETRY MARKET FOR PHARMACEUTICAL AND BIOTECHNOLOGY COMPANIES, BY COUNTRY, 2021-2028 (USD MILLION) □ 215

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TABLE 209 □ LATIN AMERICA: FLOW CYTOMETRY MARKET FOR PHARMACEUTICAL AND BIOTECHNOLOGY COMPANIES, BY COUNTRY, 2021-2028 (USD MILLION) □215
10 □ FLOW CYTOMETRY MARKET, BY REGION □216
10.1 □ INTRODUCTION □217
TABLE 210 □ FLOW CYTOMETRY MARKET, BY REGION, 2021-2028 (USD MILLION) □217
10.2 □ NORTH AMERICA □218
FIGURE 29 □ NORTH AMERICA: FLOW CYTOMETRY MARKET SNAPSHOT □219
TABLE 211 □ NORTH AMERICA: FLOW CYTOMETRY MARKET, BY COUNTRY, 2021-2028 (USD MILLION) □220
TABLE 212 □ NORTH AMERICA: FLOW CYTOMETRY MARKET, BY TECHNOLOGY, 2021-2028 (USD MILLION) □220
TABLE 213 □ NORTH AMERICA: FLOW CYTOMETRY MARKET, BY PRODUCT & SERVICE, 2021-2028 (USD MILLION) □220
TABLE 214 □ NORTH AMERICA: FLOW CYTOMETRY INSTRUMENTS MARKET, BY TYPE, 2021-2028 (USD MILLION) □221
TABLE 215 □ NORTH AMERICA: FLOW CYTOMETRY CELL ANALYZERS MARKET, BY PRICE RANGE, 2021-2028 (USD MILLION) □221
TABLE 216 □ NORTH AMERICA: FLOW CYTOMETRY CELL SORTERS MARKET, BY PRICE RANGE, 2021-2028 (USD MILLION) □221
TABLE 217 □ NORTH AMERICA: FLOW CYTOMETRY MARKET, BY APPLICATION, 2021-2028 (USD MILLION) □222
TABLE 218 □ NORTH AMERICA: FLOW CYTOMETRY MARKET FOR RESEARCH APPLICATIONS, BY TYPE, 2021-2028 (USD MILLION) □222
TABLE 219 □ NORTH AMERICA: FLOW CYTOMETRY MARKET FOR PHARMACEUTICAL & BIOTECHNOLOGY, BY TYPE, 2021-2028 (USD MILLION) □223
TABLE 220 □ NORTH AMERICA: FLOW CYTOMETRY MARKET FOR CLINICAL APPLICATIONS, BY TYPE, 2021-2028 (USD MILLION) □223
TABLE 221 □ NORTH AMERICA: FLOW CYTOMETRY MARKET, BY END USER, 2021-2028 (USD MILLION) □224
10.2.1 □ US □224

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