

# Global Automatic Cell Separation System Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Automatic Cell Separation System market size is expected to reach \$ 1222 million by 2032, rising at a market growth of 5.2% CAGR during the forecast period (2026-2032).

Fully automated cell separation systems are platforms integrating mechanics, software, and biotechnology. Through technologies such as centrifugation, magnetic bead sorting, or microfluidics, they automatically complete processes including cell washing, concentration, and sorting, achieving standardized, closed-loop, and high-throughput cell preparation, significantly reducing human intervention and contamination risks. Upstream suppliers include core components and reagent providers, such as precision fluid modules, magnetic beads, antibodies, disposable consumables, and separation kits. Downstream end-users are concentrated in cell therapy companies, biopharmaceutical companies, clinical testing centers, and research institutions. In 2024, the global unit price of a fully automated cell separation system was US\$370,000, with annual sales reaching 2,150 units and annual production capacity between 2,600 and 2,800 units. The industry profit margin was 25-40%.

### Global Market Future Development Trends

The primary driver of the future market is the commercialization of cell therapy. With the increasing number of approved drugs and the scaling up of production for CAR-T and stem cell therapies, the demand for fully automated systems that meet GMP standards, are fully enclosed, and have complete traceability capabilities is surging, making them the standard configuration for cell drug production.

Technologically, development will move towards integration and intelligence. Systems will no longer be limited to single separation functions but will evolve into integrated 'sample in - product out' solutions, integrating amplification, analysis, and other functions. Artificial intelligence algorithms are being used to optimize separation parameters and quality control, further improving process efficiency and result stability.

Regional competition is becoming more diversified. North America maintains the largest market share due to its leading biopharmaceutical industry, while the Asia-Pacific region, especially China, has become the fastest-growing market thanks to policy support and technological breakthroughs by local companies. Future competition will extend from hardware performance to consumable ecosystems and end-to-end service capabilities.

This report studies the global Automatic Cell Separation System production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Automatic Cell Separation System and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Automatic Cell Separation System that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Automatic Cell Separation System total production and demand, 2021-2032, (Units)

Global Automatic Cell Separation System total production value, 2021-2032, (USD Million)

Global Automatic Cell Separation System production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global Automatic Cell Separation System consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: Automatic Cell Separation System domestic production, consumption, key domestic manufacturers and share

Global Automatic Cell Separation System production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global Automatic Cell Separation System production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global Automatic Cell Separation System production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global Automatic Cell Separation System market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include ThermoFisher Scientific, Sartorius, Bio-Rad, Cytiva, STEMCELL Technologies, Miltenyi Biotec, Terumo, GenScript, Ancell Technology, Cellenion, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices

used in analyzing the World Automatic Cell Separation System market

**Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Automatic Cell Separation System Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Automatic Cell Separation System Market, Segmentation by Type:

Centrifugal Type

Membrane Type

Adsorption Type

Global Automatic Cell Separation System Market, Segmentation by Automation Level:

Fully Automated Integrated

## Modular Workstation

Global Automatic Cell Separation System Market, Segmentation by System  
Closedness:

Closed System

Open System

Global Automatic Cell Separation System Market, Segmentation by Application:

Hospital

Clinic

Research Institutions

## **Companies Profiled:**

ThermoFisher Scientific

Sartorius

Bio-Rad

Cytiva

STEMCELL Technologies

Miltenyi Biotec

Terumo

GenScript

Ancell Technology

Cellenion

Sinobiocan

Proteintech

Cellsorter

Xiamen Medara Technology

**Key Questions Answered:**

1. How big is the global Automatic Cell Separation System market?
2. What is the demand of the global Automatic Cell Separation System market?
3. What is the year over year growth of the global Automatic Cell Separation System market?
4. What is the production and production value of the global Automatic Cell Separation System market?
5. Who are the key producers in the global Automatic Cell Separation System market?
6. What are the growth factors driving the market demand?

## Contents

### 1 SUPPLY SUMMARY

- 1.1 Automatic Cell Separation System Introduction
- 1.2 World Automatic Cell Separation System Supply & Forecast
  - 1.2.1 World Automatic Cell Separation System Production Value (2021 & 2025 & 2032)
  - 1.2.2 World Automatic Cell Separation System Production (2021-2032)
  - 1.2.3 World Automatic Cell Separation System Pricing Trends (2021-2032)
- 1.3 World Automatic Cell Separation System Production by Region (Based on Production Site)
  - 1.3.1 World Automatic Cell Separation System Production Value by Region (2021-2032)
  - 1.3.2 World Automatic Cell Separation System Production by Region (2021-2032)
  - 1.3.3 World Automatic Cell Separation System Average Price by Region (2021-2032)
  - 1.3.4 North America Automatic Cell Separation System Production (2021-2032)
  - 1.3.5 Europe Automatic Cell Separation System Production (2021-2032)
  - 1.3.6 China Automatic Cell Separation System Production (2021-2032)
  - 1.3.7 Japan Automatic Cell Separation System Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
  - 1.4.1 Automatic Cell Separation System Market Drivers
  - 1.4.2 Factors Affecting Demand
  - 1.4.3 Automatic Cell Separation System Major Market Trends

### 2 DEMAND SUMMARY

- 2.1 World Automatic Cell Separation System Demand (2021-2032)
- 2.2 World Automatic Cell Separation System Consumption by Region
  - 2.2.1 World Automatic Cell Separation System Consumption by Region (2021-2026)
  - 2.2.2 World Automatic Cell Separation System Consumption Forecast by Region (2027-2032)
- 2.3 United States Automatic Cell Separation System Consumption (2021-2032)
- 2.4 China Automatic Cell Separation System Consumption (2021-2032)
- 2.5 Europe Automatic Cell Separation System Consumption (2021-2032)
- 2.6 Japan Automatic Cell Separation System Consumption (2021-2032)
- 2.7 South Korea Automatic Cell Separation System Consumption (2021-2032)
- 2.8 ASEAN Automatic Cell Separation System Consumption (2021-2032)
- 2.9 India Automatic Cell Separation System Consumption (2021-2032)

### **3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS**

3.1 World Automatic Cell Separation System Production Value by Manufacturer (2021-2026)

3.2 World Automatic Cell Separation System Production by Manufacturer (2021-2026)

3.3 World Automatic Cell Separation System Average Price by Manufacturer (2021-2026)

3.4 Automatic Cell Separation System Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global Automatic Cell Separation System Industry Rank of Major Manufacturers

3.5.2 Global Concentration Ratios (CR4) for Automatic Cell Separation System in 2025

3.5.3 Global Concentration Ratios (CR8) for Automatic Cell Separation System in 2025

3.6 Automatic Cell Separation System Market: Overall Company Footprint Analysis

3.6.1 Automatic Cell Separation System Market: Region Footprint

3.6.2 Automatic Cell Separation System Market: Company Product Type Footprint

3.6.3 Automatic Cell Separation System Market: Company Product Application

Footprint

3.7 Competitive Environment

3.7.1 Historical Structure of the Industry

3.7.2 Barriers of Market Entry

3.7.3 Factors of Competition

3.8 New Entrant and Capacity Expansion Plans

3.9 Mergers, Acquisition, Agreements, and Collaborations

### **4 UNITED STATES VS CHINA VS REST OF THE WORLD**

4.1 United States VS China: Automatic Cell Separation System Production Value Comparison

4.1.1 United States VS China: Automatic Cell Separation System Production Value Comparison (2021 & 2025 & 2032)

4.1.2 United States VS China: Automatic Cell Separation System Production Value Market Share Comparison (2021 & 2025 & 2032)

4.2 United States VS China: Automatic Cell Separation System Production Comparison

4.2.1 United States VS China: Automatic Cell Separation System Production Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: Automatic Cell Separation System Production Market Share Comparison (2021 & 2025 & 2032)

4.3 United States VS China: Automatic Cell Separation System Consumption

## Comparison

4.3.1 United States VS China: Automatic Cell Separation System Consumption Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: Automatic Cell Separation System Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based Automatic Cell Separation System Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Automatic Cell Separation System Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Automatic Cell Separation System Production Value (2021-2026)

4.4.3 United States Based Manufacturers Automatic Cell Separation System Production (2021-2026)

4.5 China Based Automatic Cell Separation System Manufacturers and Market Share

4.5.1 China Based Automatic Cell Separation System Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Automatic Cell Separation System Production Value (2021-2026)

4.5.3 China Based Manufacturers Automatic Cell Separation System Production (2021-2026)

4.6 Rest of World Based Automatic Cell Separation System Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Automatic Cell Separation System Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Automatic Cell Separation System Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Automatic Cell Separation System Production (2021-2026)

## **5 MARKET ANALYSIS BY TYPE**

5.1 World Automatic Cell Separation System Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Centrifugal Type

5.2.2 Membrane Type

5.2.3 Adsorption Type

5.3 Market Segment by Type

5.3.1 World Automatic Cell Separation System Production by Type (2021-2032)

- 5.3.2 World Automatic Cell Separation System Production Value by Type (2021-2032)
- 5.3.3 World Automatic Cell Separation System Average Price by Type (2021-2032)

## **6 MARKET ANALYSIS BY AUTOMATION LEVEL**

6.1 World Automatic Cell Separation System Market Size Overview by Automation Level: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Automation Level

- 6.2.1 Fully Automated Integrated
- 6.2.2 Modular Workstation

6.3 Market Segment by Automation Level

- 6.3.1 World Automatic Cell Separation System Production by Automation Level (2021-2032)
- 6.3.2 World Automatic Cell Separation System Production Value by Automation Level (2021-2032)
- 6.3.3 World Automatic Cell Separation System Average Price by Automation Level (2021-2032)

## **7 MARKET ANALYSIS BY SYSTEM CLOSEDNESS**

7.1 World Automatic Cell Separation System Market Size Overview by System Closedness: 2021 VS 2025 VS 2032

7.2 Segment Introduction by System Closedness

- 7.2.1 Closed System
- 7.2.2 Open System

7.3 Market Segment by System Closedness

- 7.3.1 World Automatic Cell Separation System Production by System Closedness (2021-2032)
- 7.3.2 World Automatic Cell Separation System Production Value by System Closedness (2021-2032)
- 7.3.3 World Automatic Cell Separation System Average Price by System Closedness (2021-2032)

## **8 MARKET ANALYSIS BY APPLICATION**

8.1 World Automatic Cell Separation System Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

- 8.2.1 Hospital

8.2.2 Clinic

8.2.3 Research Institutions

8.3 Market Segment by Application

8.3.1 World Automatic Cell Separation System Production by Application (2021-2032)

8.3.2 World Automatic Cell Separation System Production Value by Application (2021-2032)

8.3.3 World Automatic Cell Separation System Average Price by Application (2021-2032)

## **9 COMPANY PROFILES**

9.1 ThermoFisher Scientific

9.1.1 ThermoFisher Scientific Details

9.1.2 ThermoFisher Scientific Major Business

9.1.3 ThermoFisher Scientific Automatic Cell Separation System Product and Services

9.1.4 ThermoFisher Scientific Automatic Cell Separation System Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.1.5 ThermoFisher Scientific Recent Developments/Updates

9.1.6 ThermoFisher Scientific Competitive Strengths & Weaknesses

9.2 Sartorius

9.2.1 Sartorius Details

9.2.2 Sartorius Major Business

9.2.3 Sartorius Automatic Cell Separation System Product and Services

9.2.4 Sartorius Automatic Cell Separation System Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.2.5 Sartorius Recent Developments/Updates

9.2.6 Sartorius Competitive Strengths & Weaknesses

9.3 Bio-Rad

9.3.1 Bio-Rad Details

9.3.2 Bio-Rad Major Business

9.3.3 Bio-Rad Automatic Cell Separation System Product and Services

9.3.4 Bio-Rad Automatic Cell Separation System Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.3.5 Bio-Rad Recent Developments/Updates

9.3.6 Bio-Rad Competitive Strengths & Weaknesses

9.4 Cytiva

9.4.1 Cytiva Details

9.4.2 Cytiva Major Business

9.4.3 Cytiva Automatic Cell Separation System Product and Services

9.4.4 Cytiva Automatic Cell Separation System Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.4.5 Cytiva Recent Developments/Updates

9.4.6 Cytiva Competitive Strengths & Weaknesses

9.5 STEMCELL Technologies

9.5.1 STEMCELL Technologies Details

9.5.2 STEMCELL Technologies Major Business

9.5.3 STEMCELL Technologies Automatic Cell Separation System Product and Services

9.5.4 STEMCELL Technologies Automatic Cell Separation System Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.5.5 STEMCELL Technologies Recent Developments/Updates

9.5.6 STEMCELL Technologies Competitive Strengths & Weaknesses

9.6 Miltenyi Biotec

9.6.1 Miltenyi Biotec Details

9.6.2 Miltenyi Biotec Major Business

9.6.3 Miltenyi Biotec Automatic Cell Separation System Product and Services

9.6.4 Miltenyi Biotec Automatic Cell Separation System Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.6.5 Miltenyi Biotec Recent Developments/Updates

9.6.6 Miltenyi Biotec Competitive Strengths & Weaknesses

9.7 Terumo

9.7.1 Terumo Details

9.7.2 Terumo Major Business

9.7.3 Terumo Automatic Cell Separation System Product and Services

9.7.4 Terumo Automatic Cell Separation System Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.7.5 Terumo Recent Developments/Updates

9.7.6 Terumo Competitive Strengths & Weaknesses

9.8 GenScript

9.8.1 GenScript Details

9.8.2 GenScript Major Business

9.8.3 GenScript Automatic Cell Separation System Product and Services

9.8.4 GenScript Automatic Cell Separation System Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.8.5 GenScript Recent Developments/Updates

9.8.6 GenScript Competitive Strengths & Weaknesses

9.9 Ancell Technology

9.9.1 Ancell Technology Details

- 9.9.2 Ancell Technology Major Business
- 9.9.3 Ancell Technology Automatic Cell Separation System Product and Services
- 9.9.4 Ancell Technology Automatic Cell Separation System Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.9.5 Ancell Technology Recent Developments/Updates
- 9.9.6 Ancell Technology Competitive Strengths & Weaknesses
- 9.10 Cellenion
  - 9.10.1 Cellenion Details
  - 9.10.2 Cellenion Major Business
  - 9.10.3 Cellenion Automatic Cell Separation System Product and Services
  - 9.10.4 Cellenion Automatic Cell Separation System Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.10.5 Cellenion Recent Developments/Updates
  - 9.10.6 Cellenion Competitive Strengths & Weaknesses
- 9.11 Sinobiocan
  - 9.11.1 Sinobiocan Details
  - 9.11.2 Sinobiocan Major Business
  - 9.11.3 Sinobiocan Automatic Cell Separation System Product and Services
  - 9.11.4 Sinobiocan Automatic Cell Separation System Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.11.5 Sinobiocan Recent Developments/Updates
  - 9.11.6 Sinobiocan Competitive Strengths & Weaknesses
- 9.12 Proteintech
  - 9.12.1 Proteintech Details
  - 9.12.2 Proteintech Major Business
  - 9.12.3 Proteintech Automatic Cell Separation System Product and Services
  - 9.12.4 Proteintech Automatic Cell Separation System Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.12.5 Proteintech Recent Developments/Updates
  - 9.12.6 Proteintech Competitive Strengths & Weaknesses
- 9.13 Cellsorter
  - 9.13.1 Cellsorter Details
  - 9.13.2 Cellsorter Major Business
  - 9.13.3 Cellsorter Automatic Cell Separation System Product and Services
  - 9.13.4 Cellsorter Automatic Cell Separation System Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.13.5 Cellsorter Recent Developments/Updates
  - 9.13.6 Cellsorter Competitive Strengths & Weaknesses
- 9.14 Xiamen Medara Technology

- 9.14.1 Xiamen Medara Technology Details
- 9.14.2 Xiamen Medara Technology Major Business
- 9.14.3 Xiamen Medara Technology Automatic Cell Separation System Product and Services
- 9.14.4 Xiamen Medara Technology Automatic Cell Separation System Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.14.5 Xiamen Medara Technology Recent Developments/Updates
- 9.14.6 Xiamen Medara Technology Competitive Strengths & Weaknesses

## **10 INDUSTRY CHAIN ANALYSIS**

- 10.1 Automatic Cell Separation System Industry Chain
- 10.2 Automatic Cell Separation System Upstream Analysis
  - 10.2.1 Automatic Cell Separation System Core Raw Materials
  - 10.2.2 Main Manufacturers of Automatic Cell Separation System Core Raw Materials
- 10.3 Midstream Analysis
- 10.4 Downstream Analysis
- 10.5 Automatic Cell Separation System Production Mode
- 10.6 Automatic Cell Separation System Procurement Model
- 10.7 Automatic Cell Separation System Industry Sales Model and Sales Channels
  - 10.7.1 Automatic Cell Separation System Sales Model
  - 10.7.2 Automatic Cell Separation System Typical Distributors

## **11 RESEARCH FINDINGS AND CONCLUSION**

## **12 APPENDIX**

- 12.1 Methodology
- 12.2 Research Process and Data Source
- 12.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. World Automatic Cell Separation System Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Automatic Cell Separation System Production Value by Region (2021-2026) & (USD Million)

Table 3. World Automatic Cell Separation System Production Value by Region (2027-2032) & (USD Million)

Table 4. World Automatic Cell Separation System Production Value Market Share by Region (2021-2026)

Table 5. World Automatic Cell Separation System Production Value Market Share by Region (2027-2032)

Table 6. World Automatic Cell Separation System Production by Region (2021-2026) & (Units)

Table 7. World Automatic Cell Separation System Production by Region (2027-2032) & (Units)

Table 8. World Automatic Cell Separation System Production Market Share by Region (2021-2026)

Table 9. World Automatic Cell Separation System Production Market Share by Region (2027-2032)

Table 10. World Automatic Cell Separation System Average Price by Region (2021-2026) & (US\$/Unit)

Table 11. World Automatic Cell Separation System Average Price by Region (2027-2032) & (US\$/Unit)

Table 12. Automatic Cell Separation System Major Market Trends

Table 13. World Automatic Cell Separation System Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Units)

Table 14. World Automatic Cell Separation System Consumption by Region (2021-2026) & (Units)

Table 15. World Automatic Cell Separation System Consumption Forecast by Region (2027-2032) & (Units)

Table 16. World Automatic Cell Separation System Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Automatic Cell Separation System Producers in 2025

Table 18. World Automatic Cell Separation System Production by Manufacturer (2021-2026) & (Units)

Table 19. Production Market Share of Key Automatic Cell Separation System Producers in 2025

Table 20. World Automatic Cell Separation System Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 21. Global Automatic Cell Separation System Company Evaluation Quadrant

Table 22. World Automatic Cell Separation System Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Automatic Cell Separation System Production Site of Key Manufacturer

Table 24. Automatic Cell Separation System Market: Company Product Type Footprint

Table 25. Automatic Cell Separation System Market: Company Product Application Footprint

Table 26. Automatic Cell Separation System Competitive Factors

Table 27. Automatic Cell Separation System New Entrant and Capacity Expansion Plans

Table 28. Automatic Cell Separation System Mergers & Acquisitions Activity

Table 29. United States VS China Automatic Cell Separation System Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Automatic Cell Separation System Production Comparison, (2021 & 2025 & 2032) & (Units)

Table 31. United States VS China Automatic Cell Separation System Consumption Comparison, (2021 & 2025 & 2032) & (Units)

Table 32. United States Based Automatic Cell Separation System Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Automatic Cell Separation System Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Automatic Cell Separation System Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Automatic Cell Separation System Production (2021-2026) & (Units)

Table 36. United States Based Manufacturers Automatic Cell Separation System Production Market Share (2021-2026)

Table 37. China Based Automatic Cell Separation System Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Automatic Cell Separation System Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Automatic Cell Separation System Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Automatic Cell Separation System Production,

(2021-2026) & (Units)

Table 41. China Based Manufacturers Automatic Cell Separation System Production Market Share (2021-2026)

Table 42. Rest of World Based Automatic Cell Separation System Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Automatic Cell Separation System Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Automatic Cell Separation System Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Automatic Cell Separation System Production, (2021-2026) & (Units)

Table 46. Rest of World Based Manufacturers Automatic Cell Separation System Production Market Share (2021-2026)

Table 47. World Automatic Cell Separation System Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Automatic Cell Separation System Production by Type (2021-2026) & (Units)

Table 49. World Automatic Cell Separation System Production by Type (2027-2032) & (Units)

Table 50. World Automatic Cell Separation System Production Value by Type (2021-2026) & (USD Million)

Table 51. World Automatic Cell Separation System Production Value by Type (2027-2032) & (USD Million)

Table 52. World Automatic Cell Separation System Average Price by Type (2021-2026) & (US\$/Unit)

Table 53. World Automatic Cell Separation System Average Price by Type (2027-2032) & (US\$/Unit)

Table 54. World Automatic Cell Separation System Production Value by Automation Level, (USD Million), 2021 & 2025 & 2032

Table 55. World Automatic Cell Separation System Production by Automation Level (2021-2026) & (Units)

Table 56. World Automatic Cell Separation System Production by Automation Level (2027-2032) & (Units)

Table 57. World Automatic Cell Separation System Production Value by Automation Level (2021-2026) & (USD Million)

Table 58. World Automatic Cell Separation System Production Value by Automation Level (2027-2032) & (USD Million)

Table 59. World Automatic Cell Separation System Average Price by Automation Level (2021-2026) & (US\$/Unit)

Table 60. World Automatic Cell Separation System Average Price by Automation Level (2027-2032) & (US\$/Unit)

Table 61. World Automatic Cell Separation System Production Value by System Closedness, (USD Million), 2021 & 2025 & 2032

Table 62. World Automatic Cell Separation System Production by System Closedness (2021-2026) & (Units)

Table 63. World Automatic Cell Separation System Production by System Closedness (2027-2032) & (Units)

Table 64. World Automatic Cell Separation System Production Value by System Closedness (2021-2026) & (USD Million)

Table 65. World Automatic Cell Separation System Production Value by System Closedness (2027-2032) & (USD Million)

Table 66. World Automatic Cell Separation System Average Price by System Closedness (2021-2026) & (US\$/Unit)

Table 67. World Automatic Cell Separation System Average Price by System Closedness (2027-2032) & (US\$/Unit)

Table 68. World Automatic Cell Separation System Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World Automatic Cell Separation System Production by Application (2021-2026) & (Units)

Table 70. World Automatic Cell Separation System Production by Application (2027-2032) & (Units)

Table 71. World Automatic Cell Separation System Production Value by Application (2021-2026) & (USD Million)

Table 72. World Automatic Cell Separation System Production Value by Application (2027-2032) & (USD Million)

Table 73. World Automatic Cell Separation System Average Price by Application (2021-2026) & (US\$/Unit)

Table 74. World Automatic Cell Separation System Average Price by Application (2027-2032) & (US\$/Unit)

Table 75. ThermoFisher Scientific Basic Information, Manufacturing Base and Competitors

Table 76. ThermoFisher Scientific Major Business

Table 77. ThermoFisher Scientific Automatic Cell Separation System Product and Services

Table 78. ThermoFisher Scientific Automatic Cell Separation System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. ThermoFisher Scientific Recent Developments/Updates

- Table 80. ThermoFisher Scientific Competitive Strengths & Weaknesses
- Table 81. Sartorius Basic Information, Manufacturing Base and Competitors
- Table 82. Sartorius Major Business
- Table 83. Sartorius Automatic Cell Separation System Product and Services
- Table 84. Sartorius Automatic Cell Separation System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 85. Sartorius Recent Developments/Updates
- Table 86. Sartorius Competitive Strengths & Weaknesses
- Table 87. Bio-Rad Basic Information, Manufacturing Base and Competitors
- Table 88. Bio-Rad Major Business
- Table 89. Bio-Rad Automatic Cell Separation System Product and Services
- Table 90. Bio-Rad Automatic Cell Separation System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 91. Bio-Rad Recent Developments/Updates
- Table 92. Bio-Rad Competitive Strengths & Weaknesses
- Table 93. Cytiva Basic Information, Manufacturing Base and Competitors
- Table 94. Cytiva Major Business
- Table 95. Cytiva Automatic Cell Separation System Product and Services
- Table 96. Cytiva Automatic Cell Separation System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 97. Cytiva Recent Developments/Updates
- Table 98. Cytiva Competitive Strengths & Weaknesses
- Table 99. STEMCELL Technologies Basic Information, Manufacturing Base and Competitors
- Table 100. STEMCELL Technologies Major Business
- Table 101. STEMCELL Technologies Automatic Cell Separation System Product and Services
- Table 102. STEMCELL Technologies Automatic Cell Separation System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 103. STEMCELL Technologies Recent Developments/Updates
- Table 104. STEMCELL Technologies Competitive Strengths & Weaknesses
- Table 105. Miltenyi Biotec Basic Information, Manufacturing Base and Competitors
- Table 106. Miltenyi Biotec Major Business
- Table 107. Miltenyi Biotec Automatic Cell Separation System Product and Services
- Table 108. Miltenyi Biotec Automatic Cell Separation System Production (Units), Price

(US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 109. Miltenyi Biotec Recent Developments/Updates

Table 110. Miltenyi Biotec Competitive Strengths & Weaknesses

Table 111. Terumo Basic Information, Manufacturing Base and Competitors

Table 112. Terumo Major Business

Table 113. Terumo Automatic Cell Separation System Product and Services

Table 114. Terumo Automatic Cell Separation System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 115. Terumo Recent Developments/Updates

Table 116. Terumo Competitive Strengths & Weaknesses

Table 117. GenScript Basic Information, Manufacturing Base and Competitors

Table 118. GenScript Major Business

Table 119. GenScript Automatic Cell Separation System Product and Services

Table 120. GenScript Automatic Cell Separation System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 121. GenScript Recent Developments/Updates

Table 122. GenScript Competitive Strengths & Weaknesses

Table 123. Ansell Technology Basic Information, Manufacturing Base and Competitors

Table 124. Ansell Technology Major Business

Table 125. Ansell Technology Automatic Cell Separation System Product and Services

Table 126. Ansell Technology Automatic Cell Separation System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 127. Ansell Technology Recent Developments/Updates

Table 128. Ansell Technology Competitive Strengths & Weaknesses

Table 129. Cellenion Basic Information, Manufacturing Base and Competitors

Table 130. Cellenion Major Business

Table 131. Cellenion Automatic Cell Separation System Product and Services

Table 132. Cellenion Automatic Cell Separation System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 133. Cellenion Recent Developments/Updates

Table 134. Cellenion Competitive Strengths & Weaknesses

Table 135. Sinobiocan Basic Information, Manufacturing Base and Competitors

Table 136. Sinobiocan Major Business

Table 137. Sinobiocan Automatic Cell Separation System Product and Services

Table 138. Sinobiocan Automatic Cell Separation System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 139. Sinobiocan Recent Developments/Updates

Table 140. Sinobiocan Competitive Strengths & Weaknesses

Table 141. Proteintech Basic Information, Manufacturing Base and Competitors

Table 142. Proteintech Major Business

Table 143. Proteintech Automatic Cell Separation System Product and Services

Table 144. Proteintech Automatic Cell Separation System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 145. Proteintech Recent Developments/Updates

Table 146. Proteintech Competitive Strengths & Weaknesses

Table 147. Cellsorter Basic Information, Manufacturing Base and Competitors

Table 148. Cellsorter Major Business

Table 149. Cellsorter Automatic Cell Separation System Product and Services

Table 150. Cellsorter Automatic Cell Separation System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 151. Cellsorter Recent Developments/Updates

Table 152. Cellsorter Competitive Strengths & Weaknesses

Table 153. Xiamen Medara Technology Basic Information, Manufacturing Base and Competitors

Table 154. Xiamen Medara Technology Major Business

Table 155. Xiamen Medara Technology Automatic Cell Separation System Product and Services

Table 156. Xiamen Medara Technology Automatic Cell Separation System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 157. Xiamen Medara Technology Recent Developments/Updates

Table 158. Xiamen Medara Technology Competitive Strengths & Weaknesses

Table 159. Global Key Players of Automatic Cell Separation System Upstream (Raw Materials)

Table 160. Global Automatic Cell Separation System Typical Customers

Table 161. Automatic Cell Separation System Typical Distributors

## List Of Figures

### LIST OF FIGURES

Figure 1. Automatic Cell Separation System Picture

Figure 2. World Automatic Cell Separation System Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Automatic Cell Separation System Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Automatic Cell Separation System Production (2021-2032) & (Units)

Figure 5. World Automatic Cell Separation System Average Price (2021-2032) & (US\$/Unit)

Figure 6. World Automatic Cell Separation System Production Value Market Share by Region (2021-2032)

Figure 7. World Automatic Cell Separation System Production Market Share by Region (2021-2032)

Figure 8. North America Automatic Cell Separation System Production (2021-2032) & (Units)

Figure 9. Europe Automatic Cell Separation System Production (2021-2032) & (Units)

Figure 10. China Automatic Cell Separation System Production (2021-2032) & (Units)

Figure 11. Japan Automatic Cell Separation System Production (2021-2032) & (Units)

Figure 12. Automatic Cell Separation System Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Automatic Cell Separation System Consumption (2021-2032) & (Units)

Figure 15. World Automatic Cell Separation System Consumption Market Share by Region (2021-2032)

Figure 16. United States Automatic Cell Separation System Consumption (2021-2032) & (Units)

Figure 17. China Automatic Cell Separation System Consumption (2021-2032) & (Units)

Figure 18. Europe Automatic Cell Separation System Consumption (2021-2032) & (Units)

Figure 19. Japan Automatic Cell Separation System Consumption (2021-2032) & (Units)

Figure 20. South Korea Automatic Cell Separation System Consumption (2021-2032) & (Units)

Figure 21. ASEAN Automatic Cell Separation System Consumption (2021-2032) & (Units)

Figure 22. India Automatic Cell Separation System Consumption (2021-2032) & (Units)

Figure 23. Producer Shipments of Automatic Cell Separation System by Manufacturer

Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for Automatic Cell Separation System Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for Automatic Cell Separation System Markets in 2025

Figure 26. United States VS China: Automatic Cell Separation System Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Automatic Cell Separation System Production Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Automatic Cell Separation System Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers Automatic Cell Separation System Production Market Share 2025

Figure 30. China Based Manufacturers Automatic Cell Separation System Production Market Share 2025

Figure 31. Rest of World Based Manufacturers Automatic Cell Separation System Production Market Share 2025

Figure 32. World Automatic Cell Separation System Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World Automatic Cell Separation System Production Value Market Share by Type in 2025

Figure 34. Centrifugal Type

Figure 35. Membrane Type

Figure 36. Adsorption Type

Figure 37. World Automatic Cell Separation System Production Market Share by Type (2021-2032)

Figure 38. World Automatic Cell Separation System Production Value Market Share by Type (2021-2032)

Figure 39. World Automatic Cell Separation System Average Price by Type (2021-2032) & (US\$/Unit)

Figure 40. World Automatic Cell Separation System Production Value by Automation Level, (USD Million), 2021 & 2025 & 2032

Figure 41. World Automatic Cell Separation System Production Value Market Share by Automation Level in 2025

Figure 42. Fully Automated Integrated

Figure 43. Modular Workstation

Figure 44. World Automatic Cell Separation System Production Market Share by Automation Level (2021-2032)

Figure 45. World Automatic Cell Separation System Production Value Market Share by

Automation Level (2021-2032)

Figure 46. World Automatic Cell Separation System Average Price by Automation Level (2021-2032) & (US\$/Unit)

Figure 47. World Automatic Cell Separation System Production Value by System Closedness, (USD Million), 2021 & 2025 & 2032

Figure 48. World Automatic Cell Separation System Production Value Market Share by System Closedness in 2025

Figure 49. Closed System

Figure 50. Open System

Figure 51. World Automatic Cell Separation System Production Market Share by System Closedness (2021-2032)

Figure 52. World Automatic Cell Separation System Production Value Market Share by System Closedness (2021-2032)

Figure 53. World Automatic Cell Separation System Average Price by System Closedness (2021-2032) & (US\$/Unit)

Figure 54. World Automatic Cell Separation System Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 55. World Automatic Cell Separation System Production Value Market Share by Application in 2025

Figure 56. Hospital

Figure 57. Clinic

Figure 58. Research Institutions

Figure 59. World Automatic Cell Separation System Production Market Share by Application (2021-2032)

Figure 60. World Automatic Cell Separation System Production Value Market Share by Application (2021-2032)

Figure 61. World Automatic Cell Separation System Average Price by Application (2021-2032) & (US\$/Unit)

Figure 62. Automatic Cell Separation System Industry Chain

Figure 63. Automatic Cell Separation System Procurement Model

Figure 64. Automatic Cell Separation System Sales Model

Figure 65. Automatic Cell Separation System Sales Channels, Direct Sales, and Distribution

Figure 66. Methodology

Figure 67. Research Process and Data Source

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