

Global Cell Washing and Concentration System Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/GB11E5431D14EN.html>

Date: August 2026

Pages: 112

Price: US\$ 4,480.00 (Single User License)

ID: GB11E5431D14EN

Abstracts

The global Cell Washing and Concentration System market size is expected to reach \$ 969 million by 2032, rising at a market growth of 16.7% CAGR during the forecast period (2026-2032).

A cell washing and concentration system is an automated processing device used in cell therapy, regenerative medicine, and cell process development. It reduces cell suspension volume, exchanges culture medium or buffer, removes residual reagents, and resuspends the final cell product through batch centrifugation, counterflow centrifugation, spinning membrane filtration, hollow fiber filtration, or tangential flow filtration. The system is typically used with closed single-use tubing sets, dedicated disposables, protocol software, and electronic batch records to replace manual centrifuge washing, reduce contamination risk and batch variation, and improve cell recovery, viability, process consistency, and GMP traceability; overall gross margin is approximately 55%.

Demand is mainly driven by process scale-up for CAR-T, TCR-T, NK cell, stem cell, iPSC-derived cell, and regenerative medicine products. Cell products require volume reduction, medium or buffer exchange, residual reagent removal, and high viability and recovery across collection, separation, expansion, transfection, harvest, media exchange, and pre-cryopreservation formulation. As clinical batches increase and commercial production advances, users are replacing manual centrifugation, open transfers, and repeated resuspension steps with closed automated systems to reduce contamination risk, operator variation, and quality-control burden.

Product development is moving toward gentler processing, higher recovery, single-use disposable compatibility, editable protocols, electronic batch records, and integration

with upstream and downstream equipment. Counterflow centrifugation, spinning membrane, and hollow fiber filtration each have distinct advantages, while the supplier landscape includes life science tool companies, transfusion and cell processing equipment companies, and automated cell therapy platform providers. Leading vendors build barriers through validation data, disposable ecosystems, compliance software, and GMP customer references; new entrants usually start from specific volume ranges, cell types, or continuous-flow workflows.

North America and Europe are led by clinical translation and commercial capacity build-out, while Asia Pacific is growing quickly with local cell therapy pipelines, hospital-based processing centers, and CDMO expansion. Buyers focus on processing volume range, closure level, recovery, disposable cost, data integrity, and technology-transfer difficulty. Key risks include per-batch cost, consumable lock-in, process validation across different cell types, and regulatory documentation completeness; opportunities lie in modular equipment, local substitution, continuous processing, and integration with closed electroporation, magnetic selection, and automated filling systems.

This report studies the global Cell Washing and Concentration System production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Cell Washing and Concentration 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 Cell Washing and Concentration System that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Cell Washing and Concentration System total production and demand, 2021-2032, (Units)

Global Cell Washing and Concentration System total production value, 2021-2032, (USD Million)

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

Global Cell Washing and Concentration System consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: Cell Washing and Concentration System domestic production,

consumption, key domestic manufacturers and share

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

Global Cell Washing and Concentration System production by Type, production, value,
CAGR, 2021-2032, (USD Million) & (Units)

Global Cell Washing and Concentration System production by Application, production,
value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global Cell Washing and Concentration 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 Thermo Fisher Scientific, Cytiva, Fresenius Kabi, Sartorius, Miltenyi Biotec, Kaneka, Lonza, Cellares, EurekaBio, ThermoGenesis, 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 Cell Washing and Concentration 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 Cell Washing and Concentration System Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Cell Washing and Concentration System Market, Segmentation by Type:

Batch Centrifugation Systems

Counterflow Centrifugation Systems

Spinning Membrane Filtration Systems

Hollow Fiber or Tangential Flow Filtration Systems

Acoustic or Microfluidic Washing Systems

Global Cell Washing and Concentration System Market, Segmentation by Processing Scale:

Small-Volume Systems

Clinical-Batch Systems

Pilot-Scale Systems

Large-Scale Systems

Custom Modular Systems

Global Cell Washing and Concentration System Market, Segmentation by Closure and Automation Level:

Manual Open Systems

Semi-Automated Systems

Functionally Closed Automated Systems

Fully Integrated Closed Systems

Global Cell Washing and Concentration System Market, Segmentation by Use Grade:

Research-Use Systems

Process Development Systems

Clinical GMP Systems

Commercial Manufacturing Systems

Global Cell Washing and Concentration System Market, Segmentation by Application:

Starting Material Washing

Intermediate Media Exchange

Post-Expansion Harvest

Residual Reagent Removal

Final Formulation

Other Process Development

Companies Profiled:

Thermo Fisher Scientific

Cytiva

Fresenius Kabi

Sartorius

Miltenyi Biotec

Kaneka

Lonza

Cellares

EurekaBio

ThermoGenesis

Key Questions Answered:

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

Contents

1 SUPPLY SUMMARY

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

2 DEMAND SUMMARY

- 2.1 World Cell Washing and Concentration System Demand (2021-2032)
- 2.2 World Cell Washing and Concentration System Consumption by Region
 - 2.2.1 World Cell Washing and Concentration System Consumption by Region (2021-2026)
 - 2.2.2 World Cell Washing and Concentration System Consumption Forecast by Region (2027-2032)
- 2.3 United States Cell Washing and Concentration System Consumption (2021-2032)
- 2.4 China Cell Washing and Concentration System Consumption (2021-2032)
- 2.5 Europe Cell Washing and Concentration System Consumption (2021-2032)
- 2.6 Japan Cell Washing and Concentration System Consumption (2021-2032)

- 2.7 South Korea Cell Washing and Concentration System Consumption (2021-2032)
- 2.8 ASEAN Cell Washing and Concentration System Consumption (2021-2032)
- 2.9 India Cell Washing and Concentration System Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Cell Washing and Concentration System Production Value by Manufacturer (2021-2026)
- 3.2 World Cell Washing and Concentration System Production by Manufacturer (2021-2026)
- 3.3 World Cell Washing and Concentration System Average Price by Manufacturer (2021-2026)
- 3.4 Cell Washing and Concentration System Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Cell Washing and Concentration System Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Cell Washing and Concentration System in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for Cell Washing and Concentration System in 2025
- 3.6 Cell Washing and Concentration System Market: Overall Company Footprint Analysis
 - 3.6.1 Cell Washing and Concentration System Market: Region Footprint
 - 3.6.2 Cell Washing and Concentration System Market: Company Product Type Footprint
 - 3.6.3 Cell Washing and Concentration 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: Cell Washing and Concentration System Production Value Comparison
 - 4.1.1 United States VS China: Cell Washing and Concentration System Production

Value Comparison (2021 & 2025 & 2032)

4.1.2 United States VS China: Cell Washing and Concentration System Production

Value Market Share Comparison (2021 & 2025 & 2032)

4.2 United States VS China: Cell Washing and Concentration System Production Comparison

4.2.1 United States VS China: Cell Washing and Concentration System Production Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: Cell Washing and Concentration System Production Market Share Comparison (2021 & 2025 & 2032)

4.3 United States VS China: Cell Washing and Concentration System Consumption Comparison

4.3.1 United States VS China: Cell Washing and Concentration System Consumption Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: Cell Washing and Concentration System Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based Cell Washing and Concentration System Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Cell Washing and Concentration System Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Cell Washing and Concentration System Production Value (2021-2026)

4.4.3 United States Based Manufacturers Cell Washing and Concentration System Production (2021-2026)

4.5 China Based Cell Washing and Concentration System Manufacturers and Market Share

4.5.1 China Based Cell Washing and Concentration System Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Cell Washing and Concentration System Production Value (2021-2026)

4.5.3 China Based Manufacturers Cell Washing and Concentration System Production (2021-2026)

4.6 Rest of World Based Cell Washing and Concentration System Manufacturers and Market Share, 2021-2026

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

4.6.2 Rest of World Based Manufacturers Cell Washing and Concentration System Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Cell Washing and Concentration System Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Cell Washing and Concentration System Market Size Overview by Type:
2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Batch Centrifugation Systems

5.2.2 Counterflow Centrifugation Systems

5.2.3 Spinning Membrane Filtration Systems

5.2.4 Hollow Fiber or Tangential Flow Filtration Systems

5.2.5 Acoustic or Microfluidic Washing Systems

5.3 Market Segment by Type

5.3.1 World Cell Washing and Concentration System Production by Type (2021-2032)

5.3.2 World Cell Washing and Concentration System Production Value by Type
(2021-2032)

5.3.3 World Cell Washing and Concentration System Average Price by Type
(2021-2032)

6 MARKET ANALYSIS BY PROCESSING SCALE

6.1 World Cell Washing and Concentration System Market Size Overview by
Processing Scale: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Processing Scale

6.2.1 Small-Volume Systems

6.2.2 Clinical-Batch Systems

6.2.3 Pilot-Scale Systems

6.2.4 Large-Scale Systems

6.2.5 Custom Modular Systems

6.3 Market Segment by Processing Scale

6.3.1 World Cell Washing and Concentration System Production by Processing Scale
(2021-2032)

6.3.2 World Cell Washing and Concentration System Production Value by Processing
Scale (2021-2032)

6.3.3 World Cell Washing and Concentration System Average Price by Processing
Scale (2021-2032)

7 MARKET ANALYSIS BY CLOSURE AND AUTOMATION LEVEL

7.1 World Cell Washing and Concentration System Market Size Overview by Closure

and Automation Level: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Closure and Automation Level

7.2.1 Manual Open Systems

7.2.2 Semi-Automated Systems

7.2.3 Functionally Closed Automated Systems

7.2.4 Fully Integrated Closed Systems

7.3 Market Segment by Closure and Automation Level

7.3.1 World Cell Washing and Concentration System Production by Closure and Automation Level (2021-2032)

7.3.2 World Cell Washing and Concentration System Production Value by Closure and Automation Level (2021-2032)

7.3.3 World Cell Washing and Concentration System Average Price by Closure and Automation Level (2021-2032)

8 MARKET ANALYSIS BY USE GRADE

8.1 World Cell Washing and Concentration System Market Size Overview by Use Grade: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Use Grade

8.2.1 Research-Use Systems

8.2.2 Process Development Systems

8.2.3 Clinical GMP Systems

8.2.4 Commercial Manufacturing Systems

8.3 Market Segment by Use Grade

8.3.1 World Cell Washing and Concentration System Production by Use Grade (2021-2032)

8.3.2 World Cell Washing and Concentration System Production Value by Use Grade (2021-2032)

8.3.3 World Cell Washing and Concentration System Average Price by Use Grade (2021-2032)

9 MARKET ANALYSIS BY APPLICATION

9.1 World Cell Washing and Concentration System Market Size Overview by Application: 2021 VS 2025 VS 2032

9.2 Segment Introduction by Application

9.2.1 Starting Material Washing

9.2.2 Intermediate Media Exchange

9.2.3 Post-Expansion Harvest

- 9.2.4 Residual Reagent Removal
- 9.2.5 Final Formulation
- 9.2.6 Other Process Development
- 9.3 Market Segment by Application
 - 9.3.1 World Cell Washing and Concentration System Production by Application (2021-2032)
 - 9.3.2 World Cell Washing and Concentration System Production Value by Application (2021-2032)
 - 9.3.3 World Cell Washing and Concentration System Average Price by Application (2021-2032)

10 COMPANY PROFILES

- 10.1 Thermo Fisher Scientific
 - 10.1.1 Thermo Fisher Scientific Details
 - 10.1.2 Thermo Fisher Scientific Major Business
 - 10.1.3 Thermo Fisher Scientific Cell Washing and Concentration System Product and Services
 - 10.1.4 Thermo Fisher Scientific Cell Washing and Concentration System Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 10.1.5 Thermo Fisher Scientific Recent Developments/Updates
 - 10.1.6 Thermo Fisher Scientific Competitive Strengths & Weaknesses
- 10.2 Cytiva
 - 10.2.1 Cytiva Details
 - 10.2.2 Cytiva Major Business
 - 10.2.3 Cytiva Cell Washing and Concentration System Product and Services
 - 10.2.4 Cytiva Cell Washing and Concentration System Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 10.2.5 Cytiva Recent Developments/Updates
 - 10.2.6 Cytiva Competitive Strengths & Weaknesses
- 10.3 Fresenius Kabi
 - 10.3.1 Fresenius Kabi Details
 - 10.3.2 Fresenius Kabi Major Business
 - 10.3.3 Fresenius Kabi Cell Washing and Concentration System Product and Services
 - 10.3.4 Fresenius Kabi Cell Washing and Concentration System Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 10.3.5 Fresenius Kabi Recent Developments/Updates
 - 10.3.6 Fresenius Kabi Competitive Strengths & Weaknesses
- 10.4 Sartorius

- 10.4.1 Sartorius Details
- 10.4.2 Sartorius Major Business
- 10.4.3 Sartorius Cell Washing and Concentration System Product and Services
- 10.4.4 Sartorius Cell Washing and Concentration System Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 10.4.5 Sartorius Recent Developments/Updates
- 10.4.6 Sartorius Competitive Strengths & Weaknesses
- 10.5 Miltenyi Biotec
 - 10.5.1 Miltenyi Biotec Details
 - 10.5.2 Miltenyi Biotec Major Business
 - 10.5.3 Miltenyi Biotec Cell Washing and Concentration System Product and Services
 - 10.5.4 Miltenyi Biotec Cell Washing and Concentration System Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 10.5.5 Miltenyi Biotec Recent Developments/Updates
 - 10.5.6 Miltenyi Biotec Competitive Strengths & Weaknesses
- 10.6 Kaneka
 - 10.6.1 Kaneka Details
 - 10.6.2 Kaneka Major Business
 - 10.6.3 Kaneka Cell Washing and Concentration System Product and Services
 - 10.6.4 Kaneka Cell Washing and Concentration System Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 10.6.5 Kaneka Recent Developments/Updates
 - 10.6.6 Kaneka Competitive Strengths & Weaknesses
- 10.7 Lonza
 - 10.7.1 Lonza Details
 - 10.7.2 Lonza Major Business
 - 10.7.3 Lonza Cell Washing and Concentration System Product and Services
 - 10.7.4 Lonza Cell Washing and Concentration System Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 10.7.5 Lonza Recent Developments/Updates
 - 10.7.6 Lonza Competitive Strengths & Weaknesses
- 10.8 Cellares
 - 10.8.1 Cellares Details
 - 10.8.2 Cellares Major Business
 - 10.8.3 Cellares Cell Washing and Concentration System Product and Services
 - 10.8.4 Cellares Cell Washing and Concentration System Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 10.8.5 Cellares Recent Developments/Updates
 - 10.8.6 Cellares Competitive Strengths & Weaknesses

10.9 EurekaBio

10.9.1 EurekaBio Details

10.9.2 EurekaBio Major Business

10.9.3 EurekaBio Cell Washing and Concentration System Product and Services

10.9.4 EurekaBio Cell Washing and Concentration System Production, Price, Value, Gross Margin and Market Share (2021-2026)

10.9.5 EurekaBio Recent Developments/Updates

10.9.6 EurekaBio Competitive Strengths & Weaknesses

10.10 ThermoGenesis

10.10.1 ThermoGenesis Details

10.10.2 ThermoGenesis Major Business

10.10.3 ThermoGenesis Cell Washing and Concentration System Product and Services

10.10.4 ThermoGenesis Cell Washing and Concentration System Production, Price, Value, Gross Margin and Market Share (2021-2026)

10.10.5 ThermoGenesis Recent Developments/Updates

10.10.6 ThermoGenesis Competitive Strengths & Weaknesses

11 INDUSTRY CHAIN ANALYSIS

11.1 Cell Washing and Concentration System Industry Chain

11.2 Cell Washing and Concentration System Upstream Analysis

11.2.1 Cell Washing and Concentration System Core Raw Materials

11.2.2 Main Manufacturers of Cell Washing and Concentration System Core Raw Materials

11.3 Midstream Analysis

11.4 Downstream Analysis

11.5 Cell Washing and Concentration System Production Mode

11.6 Cell Washing and Concentration System Procurement Model

11.7 Cell Washing and Concentration System Industry Sales Model and Sales Channels

11.7.1 Cell Washing and Concentration System Sales Model

11.7.2 Cell Washing and Concentration System Typical Distributors

12 RESEARCH FINDINGS AND CONCLUSION

13 APPENDIX

13.1 Methodology

13.2 Research Process and Data Source

13.3 Disclaimer

List Of Tables

LIST OF TABLES

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

Table 2. World Cell Washing and Concentration System Production Value by Region (2021-2026) & (USD Million)

Table 3. World Cell Washing and Concentration System Production Value by Region (2027-2032) & (USD Million)

Table 4. World Cell Washing and Concentration System Production Value Market Share by Region (2021-2026)

Table 5. World Cell Washing and Concentration System Production Value Market Share by Region (2027-2032)

Table 6. World Cell Washing and Concentration System Production by Region (2021-2026) & (Units)

Table 7. World Cell Washing and Concentration System Production by Region (2027-2032) & (Units)

Table 8. World Cell Washing and Concentration System Production Market Share by Region (2021-2026)

Table 9. World Cell Washing and Concentration System Production Market Share by Region (2027-2032)

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

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

Table 12. Cell Washing and Concentration System Major Market Trends

Table 13. World Cell Washing and Concentration System Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Units)

Table 14. World Cell Washing and Concentration System Consumption by Region (2021-2026) & (Units)

Table 15. World Cell Washing and Concentration System Consumption Forecast by Region (2027-2032) & (Units)

Table 16. World Cell Washing and Concentration System Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Cell Washing and Concentration System Producers in 2025

Table 18. World Cell Washing and Concentration System Production by Manufacturer (2021-2026) & (Units)

Table 19. Production Market Share of Key Cell Washing and Concentration System Producers in 2025

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

Table 21. Global Cell Washing and Concentration System Company Evaluation Quadrant

Table 22. World Cell Washing and Concentration System Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Cell Washing and Concentration System Production Site of Key Manufacturer

Table 24. Cell Washing and Concentration System Market: Company Product Type Footprint

Table 25. Cell Washing and Concentration System Market: Company Product Application Footprint

Table 26. Cell Washing and Concentration System Competitive Factors

Table 27. Cell Washing and Concentration System New Entrant and Capacity Expansion Plans

Table 28. Cell Washing and Concentration System Mergers & Acquisitions Activity

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

Table 30. United States VS China Cell Washing and Concentration System Production Comparison, (2021 & 2025 & 2032) & (Units)

Table 31. United States VS China Cell Washing and Concentration System Consumption Comparison, (2021 & 2025 & 2032) & (Units)

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

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

Table 34. United States Based Manufacturers Cell Washing and Concentration System Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Cell Washing and Concentration System Production (2021-2026) & (Units)

Table 36. United States Based Manufacturers Cell Washing and Concentration System Production Market Share (2021-2026)

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

Table 38. China Based Manufacturers Cell Washing and Concentration System Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Cell Washing and Concentration System

Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Cell Washing and Concentration System Production, (2021-2026) & (Units)

Table 41. China Based Manufacturers Cell Washing and Concentration System Production Market Share (2021-2026)

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

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

Table 44. Rest of World Based Manufacturers Cell Washing and Concentration System Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Cell Washing and Concentration System Production, (2021-2026) & (Units)

Table 46. Rest of World Based Manufacturers Cell Washing and Concentration System Production Market Share (2021-2026)

Table 47. World Cell Washing and Concentration System Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Cell Washing and Concentration System Production by Type (2021-2026) & (Units)

Table 49. World Cell Washing and Concentration System Production by Type (2027-2032) & (Units)

Table 50. World Cell Washing and Concentration System Production Value by Type (2021-2026) & (USD Million)

Table 51. World Cell Washing and Concentration System Production Value by Type (2027-2032) & (USD Million)

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

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

Table 54. World Cell Washing and Concentration System Production Value by Processing Scale, (USD Million), 2021 & 2025 & 2032

Table 55. World Cell Washing and Concentration System Production by Processing Scale (2021-2026) & (Units)

Table 56. World Cell Washing and Concentration System Production by Processing Scale (2027-2032) & (Units)

Table 57. World Cell Washing and Concentration System Production Value by Processing Scale (2021-2026) & (USD Million)

Table 58. World Cell Washing and Concentration System Production Value by Processing Scale (2027-2032) & (USD Million)

Table 59. World Cell Washing and Concentration System Average Price by Processing Scale (2021-2026) & (US\$/Unit)

Table 60. World Cell Washing and Concentration System Average Price by Processing Scale (2027-2032) & (US\$/Unit)

Table 61. World Cell Washing and Concentration System Production Value by Closure and Automation Level, (USD Million), 2021 & 2025 & 2032

Table 62. World Cell Washing and Concentration System Production by Closure and Automation Level (2021-2026) & (Units)

Table 63. World Cell Washing and Concentration System Production by Closure and Automation Level (2027-2032) & (Units)

Table 64. World Cell Washing and Concentration System Production Value by Closure and Automation Level (2021-2026) & (USD Million)

Table 65. World Cell Washing and Concentration System Production Value by Closure and Automation Level (2027-2032) & (USD Million)

Table 66. World Cell Washing and Concentration System Average Price by Closure and Automation Level (2021-2026) & (US\$/Unit)

Table 67. World Cell Washing and Concentration System Average Price by Closure and Automation Level (2027-2032) & (US\$/Unit)

Table 68. World Cell Washing and Concentration System Production Value by Use Grade, (USD Million), 2021 & 2025 & 2032

Table 69. World Cell Washing and Concentration System Production by Use Grade (2021-2026) & (Units)

Table 70. World Cell Washing and Concentration System Production by Use Grade (2027-2032) & (Units)

Table 71. World Cell Washing and Concentration System Production Value by Use Grade (2021-2026) & (USD Million)

Table 72. World Cell Washing and Concentration System Production Value by Use Grade (2027-2032) & (USD Million)

Table 73. World Cell Washing and Concentration System Average Price by Use Grade (2021-2026) & (US\$/Unit)

Table 74. World Cell Washing and Concentration System Average Price by Use Grade (2027-2032) & (US\$/Unit)

Table 75. World Cell Washing and Concentration System Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 76. World Cell Washing and Concentration System Production by Application (2021-2026) & (Units)

Table 77. World Cell Washing and Concentration System Production by Application (2027-2032) & (Units)

Table 78. World Cell Washing and Concentration System Production Value by

Application (2021-2026) & (USD Million)

Table 79. World Cell Washing and Concentration System Production Value by Application (2027-2032) & (USD Million)

Table 80. World Cell Washing and Concentration System Average Price by Application (2021-2026) & (US\$/Unit)

Table 81. World Cell Washing and Concentration System Average Price by Application (2027-2032) & (US\$/Unit)

Table 82. Thermo Fisher Scientific Basic Information, Manufacturing Base and Competitors

Table 83. Thermo Fisher Scientific Major Business

Table 84. Thermo Fisher Scientific Cell Washing and Concentration System Product and Services

Table 85. Thermo Fisher Scientific Cell Washing and Concentration System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 86. Thermo Fisher Scientific Recent Developments/Updates

Table 87. Thermo Fisher Scientific Competitive Strengths & Weaknesses

Table 88. Cytiva Basic Information, Manufacturing Base and Competitors

Table 89. Cytiva Major Business

Table 90. Cytiva Cell Washing and Concentration System Product and Services

Table 91. Cytiva Cell Washing and Concentration System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 92. Cytiva Recent Developments/Updates

Table 93. Cytiva Competitive Strengths & Weaknesses

Table 94. Fresenius Kabi Basic Information, Manufacturing Base and Competitors

Table 95. Fresenius Kabi Major Business

Table 96. Fresenius Kabi Cell Washing and Concentration System Product and Services

Table 97. Fresenius Kabi Cell Washing and Concentration System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 98. Fresenius Kabi Recent Developments/Updates

Table 99. Fresenius Kabi Competitive Strengths & Weaknesses

Table 100. Sartorius Basic Information, Manufacturing Base and Competitors

Table 101. Sartorius Major Business

Table 102. Sartorius Cell Washing and Concentration System Product and Services

Table 103. Sartorius Cell Washing and Concentration System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share

(2021-2026)

Table 104. Sartorius Recent Developments/Updates

Table 105. Sartorius Competitive Strengths & Weaknesses

Table 106. Miltenyi Biotec Basic Information, Manufacturing Base and Competitors

Table 107. Miltenyi Biotec Major Business

Table 108. Miltenyi Biotec Cell Washing and Concentration System Product and Services

Table 109. Miltenyi Biotec Cell Washing and Concentration System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 110. Miltenyi Biotec Recent Developments/Updates

Table 111. Miltenyi Biotec Competitive Strengths & Weaknesses

Table 112. Kaneka Basic Information, Manufacturing Base and Competitors

Table 113. Kaneka Major Business

Table 114. Kaneka Cell Washing and Concentration System Product and Services

Table 115. Kaneka Cell Washing and Concentration System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 116. Kaneka Recent Developments/Updates

Table 117. Kaneka Competitive Strengths & Weaknesses

Table 118. Lonza Basic Information, Manufacturing Base and Competitors

Table 119. Lonza Major Business

Table 120. Lonza Cell Washing and Concentration System Product and Services

Table 121. Lonza Cell Washing and Concentration System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 122. Lonza Recent Developments/Updates

Table 123. Lonza Competitive Strengths & Weaknesses

Table 124. Cellares Basic Information, Manufacturing Base and Competitors

Table 125. Cellares Major Business

Table 126. Cellares Cell Washing and Concentration System Product and Services

Table 127. Cellares Cell Washing and Concentration System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 128. Cellares Recent Developments/Updates

Table 129. Cellares Competitive Strengths & Weaknesses

Table 130. EurekaBio Basic Information, Manufacturing Base and Competitors

Table 131. EurekaBio Major Business

Table 132. EurekaBio Cell Washing and Concentration System Product and Services

Table 133. EurekaBio Cell Washing and Concentration System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 134. EurekaBio Recent Developments/Updates

Table 135. EurekaBio Competitive Strengths & Weaknesses

Table 136. ThermoGenesis Basic Information, Manufacturing Base and Competitors

Table 137. ThermoGenesis Major Business

Table 138. ThermoGenesis Cell Washing and Concentration System Product and Services

Table 139. ThermoGenesis Cell Washing and Concentration System Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 140. ThermoGenesis Recent Developments/Updates

Table 141. ThermoGenesis Competitive Strengths & Weaknesses

Table 142. Global Key Players of Cell Washing and Concentration System Upstream (Raw Materials)

Table 143. Global Cell Washing and Concentration System Typical Customers

Table 144. Cell Washing and Concentration System Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Cell Washing and Concentration System Picture

Figure 2. World Cell Washing and Concentration System Production Value: 2021 & 2025 & 2032, (USD Million)

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

Figure 4. World Cell Washing and Concentration System Production (2021-2032) & (Units)

Figure 5. World Cell Washing and Concentration System Average Price (2021-2032) & (US\$/Unit)

Figure 6. World Cell Washing and Concentration System Production Value Market Share by Region (2021-2032)

Figure 7. World Cell Washing and Concentration System Production Market Share by Region (2021-2032)

Figure 8. North America Cell Washing and Concentration System Production (2021-2032) & (Units)

Figure 9. Europe Cell Washing and Concentration System Production (2021-2032) & (Units)

Figure 10. China Cell Washing and Concentration System Production (2021-2032) & (Units)

Figure 11. Japan Cell Washing and Concentration System Production (2021-2032) & (Units)

Figure 12. Cell Washing and Concentration System Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Cell Washing and Concentration System Consumption (2021-2032) & (Units)

Figure 15. World Cell Washing and Concentration System Consumption Market Share by Region (2021-2032)

Figure 16. United States Cell Washing and Concentration System Consumption (2021-2032) & (Units)

Figure 17. China Cell Washing and Concentration System Consumption (2021-2032) & (Units)

Figure 18. Europe Cell Washing and Concentration System Consumption (2021-2032) & (Units)

Figure 19. Japan Cell Washing and Concentration System Consumption (2021-2032) & (Units)

Figure 20. South Korea Cell Washing and Concentration System Consumption (2021-2032) & (Units)

Figure 21. ASEAN Cell Washing and Concentration System Consumption (2021-2032) & (Units)

Figure 22. India Cell Washing and Concentration System Consumption (2021-2032) & (Units)

Figure 23. Producer Shipments of Cell Washing and Concentration System by Manufacturer Revenue (\$MM) and Market Share (%): 2025

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

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

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

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

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

Figure 29. United States Based Manufacturers Cell Washing and Concentration System Production Market Share 2025

Figure 30. China Based Manufacturers Cell Washing and Concentration System Production Market Share 2025

Figure 31. Rest of World Based Manufacturers Cell Washing and Concentration System Production Market Share 2025

Figure 32. World Cell Washing and Concentration System Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World Cell Washing and Concentration System Production Value Market Share by Type in 2025

Figure 34. Batch Centrifugation Systems

Figure 35. Counterflow Centrifugation Systems

Figure 36. Spinning Membrane Filtration Systems

Figure 37. Hollow Fiber or Tangential Flow Filtration Systems

Figure 38. Acoustic or Microfluidic Washing Systems

Figure 39. World Cell Washing and Concentration System Production Market Share by Type (2021-2032)

Figure 40. World Cell Washing and Concentration System Production Value Market Share by Type (2021-2032)

Figure 41. World Cell Washing and Concentration System Average Price by Type (2021-2032) & (US\$/Unit)

Figure 42. World Cell Washing and Concentration System Production Value by Processing Scale, (USD Million), 2021 & 2025 & 2032

Figure 43. World Cell Washing and Concentration System Production Value Market Share by Processing Scale in 2025

Figure 44. Small-Volume Systems

Figure 45. Clinical-Batch Systems

Figure 46. Pilot-Scale Systems

Figure 47. Large-Scale Systems

Figure 48. Custom Modular Systems

Figure 49. World Cell Washing and Concentration System Production Market Share by Processing Scale (2021-2032)

Figure 50. World Cell Washing and Concentration System Production Value Market Share by Processing Scale (2021-2032)

Figure 51. World Cell Washing and Concentration System Average Price by Processing Scale (2021-2032) & (US\$/Unit)

Figure 52. World Cell Washing and Concentration System Production Value by Closure and Automation Level, (USD Million), 2021 & 2025 & 2032

Figure 53. World Cell Washing and Concentration System Production Value Market Share by Closure and Automation Level in 2025

Figure 54. Manual Open Systems

Figure 55. Semi-Automated Systems

Figure 56. Functionally Closed Automated Systems

Figure 57. Fully Integrated Closed Systems

Figure 58. World Cell Washing and Concentration System Production Market Share by Closure and Automation Level (2021-2032)

Figure 59. World Cell Washing and Concentration System Production Value Market Share by Closure and Automation Level (2021-2032)

Figure 60. World Cell Washing and Concentration System Average Price by Closure and Automation Level (2021-2032) & (US\$/Unit)

Figure 61. World Cell Washing and Concentration System Production Value by Use Grade, (USD Million), 2021 & 2025 & 2032

Figure 62. World Cell Washing and Concentration System Production Value Market Share by Use Grade in 2025

Figure 63. Research-Use Systems

Figure 64. Process Development Systems

Figure 65. Clinical GMP Systems

Figure 66. Commercial Manufacturing Systems

Figure 67. World Cell Washing and Concentration System Production Market Share by Use Grade (2021-2032)

Figure 68. World Cell Washing and Concentration System Production Value Market Share by Use Grade (2021-2032)

Figure 69. World Cell Washing and Concentration System Average Price by Use Grade (2021-2032) & (US\$/Unit)

Figure 70. World Cell Washing and Concentration System Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 71. World Cell Washing and Concentration System Production Value Market Share by Application in 2025

Figure 72. Starting Material Washing

Figure 73. Intermediate Media Exchange

Figure 74. Post-Expansion Harvest

Figure 75. Residual Reagent Removal

Figure 76. Final Formulation

Figure 77. Other Process Development

Figure 78. World Cell Washing and Concentration System Production Market Share by Application (2021-2032)

Figure 79. World Cell Washing and Concentration System Production Value Market Share by Application (2021-2032)

Figure 80. World Cell Washing and Concentration System Average Price by Application (2021-2032) & (US\$/Unit)

Figure 81. Cell Washing and Concentration System Industry Chain

Figure 82. Cell Washing and Concentration System Procurement Model

Figure 83. Cell Washing and Concentration System Sales Model

Figure 84. Cell Washing and Concentration System Sales Channels, Direct Sales, and Distribution

Figure 85. Methodology

Figure 86. Research Process and Data Source

I would like to order

Product name: Global Cell Washing and Concentration System Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/GB11E5431D14EN.html>

Price: US\$ 4,480.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GB11E5431D14EN.html>