

Circulating Tumor Cell Diagnostics Market Size, Trends, Analysis, and Outlook By Type (CTC Enrichment, CTC Detection, CTC Analysis), By Application (Tumorigenesis research, EMT biomarkers development, Cancer stem cell research, Others), by Region, Country, Segment, and Companies, 2024-2030

<https://marketpublishers.com/r/C917EADA02BAEN.html>

Date: March 2024

Pages: 190

Price: US\$ 3,980.00 (Single User License)

ID: C917EADA02BAEN

Abstracts

The global Circulating Tumor Cell Diagnostics market size is poised to register 16.22% growth (CAGR) from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Circulating Tumor Cell Diagnostics market By Type (CTC Enrichment, CTC Detection, CTC Analysis), By Application (Tumorigenesis research, EMT biomarkers development, Cancer stem cell research, Others).

The future of circulating tumor cell (CTC) diagnostics is undergoing a transformation driven by advancements in liquid biopsy technologies, high-throughput screening methods, and molecular profiling techniques aimed at improving cancer detection, prognostication, and treatment monitoring. Key trends include the development of next-generation CTC capture platforms, such as microfluidic devices, immunomagnetic separation systems, and size-based filtration methods, with enhanced sensitivity, specificity, and reproducibility, enabling efficient isolation and enrichment of rare CTCs from peripheral blood samples. Additionally, advancements in single-cell sequencing, multiplexed biomarker analysis, and digital PCR technologies enable comprehensive molecular characterization of CTCs, including genetic mutations, gene expression profiles, and drug resistance mechanisms, providing valuable insights into tumor heterogeneity, metastatic potential, and treatment response. Moreover, the integration of artificial intelligence (AI), machine learning algorithms, and bioinformatics tools into

CTC analysis workflows enables automated image recognition, data interpretation, and predictive modeling, facilitating rapid and accurate CTC enumeration, phenotypic profiling, and clinical decision-making. Furthermore, the customization of CTC assays, biomarker panels, and analytical algorithms based on specific cancer types, disease stages, and treatment modalities drives personalized approaches and optimization of diagnostic accuracy, ensuring tailored and patient-centered care for individuals with cancer. Overall, these advancements in CTC diagnostics offer promise for earlier cancer detection, more precise prognostication, and improved therapeutic strategies, advancing the field of precision oncology and enhancing patient outcomes..

Circulating Tumor Cell Diagnostics Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The Circulating Tumor Cell Diagnostics market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Circulating Tumor Cell Diagnostics survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the Circulating Tumor Cell Diagnostics industry.

Key market trends defining the global Circulating Tumor Cell Diagnostics demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

Circulating Tumor Cell Diagnostics Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The Circulating Tumor Cell Diagnostics industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly, leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the market size outlook across segments to support Circulating Tumor Cell Diagnostics companies scaling up production in these sub-segments with a focus on expanding into emerging

countries.

Key strategies adopted by companies within the Circulating Tumor Cell Diagnostics industry

Leading Circulating Tumor Cell Diagnostics companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The report provides key strategies opted for by the top 10 Circulating Tumor Cell Diagnostics companies.

Circulating Tumor Cell Diagnostics Market Study- Strategic Analysis Review

The Circulating Tumor Cell Diagnostics market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

Industry Dynamics: Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

Strategic Insights: Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

Internal Strengths and Weaknesses: Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

Future Possibilities: Prepare for diverse outcomes with in-depth scenario analysis. Explore potential market disruptions, technology advancements, and economic changes.

Circulating Tumor Cell Diagnostics Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Circulating Tumor Cell Diagnostics industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2030 in three case scenarios- low case, reference case, and high case scenarios.

Circulating Tumor Cell Diagnostics Country Analysis and Revenue Outlook to 2030

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2030. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2030.

North America Circulating Tumor Cell Diagnostics Market Size Outlook- Companies plan for focused investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong end-user industry demand. Leading companies focus on new product launches in the changing environment. The US economy is expected to grow in 2024 (around 2.2% growth in 2024), potentially driving demand for various Circulating Tumor Cell Diagnostics market segments. Similarly, Strong end-user demand is encouraging Canadian Circulating Tumor Cell Diagnostics companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico Circulating Tumor Cell Diagnostics market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

Europe Circulating Tumor Cell Diagnostics Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European Circulating Tumor Cell Diagnostics industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of businesses in identifying and leveraging new growth prospects positions the European Circulating Tumor Cell Diagnostics market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

Asia Pacific Circulating Tumor Cell Diagnostics Market Size Outlook- an attractive hub for opportunities for both local and global companies

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for Circulating Tumor Cell Diagnostics in Asia Pacific. In particular, China, India, and South East Asian Circulating Tumor Cell Diagnostics markets present a compelling outlook for 2030, acting as a magnet for both domestic and multinational manufacturers seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major markets in the region.

Latin America Circulating Tumor Cell Diagnostics Market Size Outlook- Continued urbanization and rising income levels

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

Middle East and Africa Circulating Tumor Cell Diagnostics Market Size Outlook- continues its upward trajectory across segments

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East Circulating Tumor Cell Diagnostics market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Circulating Tumor Cell Diagnostics.

Circulating Tumor Cell Diagnostics Market Company Profiles

The global Circulating Tumor Cell Diagnostics market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are AdnaGen AG, Advanced Cell Diagnostics, Apocell Inc, Aviva Biosciences, Biocep Ltd, Biocept Inc, Biofluidica Inc, Canopus Bioscience Ltd, CellTraffix Inc, Clearbridge BioMedics Pte Ltd, Creatv Microtech Inc, Epic Sciences Inc, Fluxion Biosciences Inc, Greiner Bio-One GmbH, Ikonisys Inc, IV Diagnostics Inc, Janssen Diagnostics, Miltenyi Biotech GmbH,

Nanostring Technologies Inc, Rarecells Diagnostics., ScreenCell, Silicon Biosystems, Sysmex Corp, Vitatex Inc.

Recent Circulating Tumor Cell Diagnostics Market Developments

The global Circulating Tumor Cell Diagnostics market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

Circulating Tumor Cell Diagnostics Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2030 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

Market Segmentation:

By Type

Stationary 3D and 4D Ultrasound Devices

Portable 3D and 4D Ultrasound Devices

By Display

Color Ultrasound

B/W Ultrasound

By Portability

Trolley or Cart-Based Ultrasound Systems

Compact/Handheld Ultrasound Systems

Point-of-Pare (PoC) Ultrasound Systems

By Application

Radiology or General Imaging

Obstetrics or Gynecology

Cardiology

Urology

Vascular

Orthopedic and Musculoskeletal

Pain Management

Others

By End-User

Hospitals

Surgical Centers and Diagnostic Centers

Maternity Centers

Ambulatory Care Centers

Research and Academia

Others

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

AdnaGen AG

Advanced Cell Diagnostics

Apocell Inc

Aviva Biosciences

Biocep Ltd

Biocept Inc

Biofluidica Inc

Canopus Bioscience Ltd

CellTraffix Inc

Clearbridge BioMedics Pte Ltd

Creatv Microtech Inc

Epic Sciences Inc

Fluxion Biosciences Inc

Greiner Bio-One GmbH

Ikonisys Inc

IV Diagnostics Inc

Janssen Diagnostics

Miltenyi Biotech GmbH

Nanostring Technologies Inc

Rarecells Diagnostics.

ScreenCell

Silicon Biosystems

Sysmex Corp

Vitatex Inc

Formats Available: Excel, PDF, and PPT

Contents

1. EXECUTIVE SUMMARY

- 1.1 Circulating Tumor Cell Diagnostics Market Overview and Key Findings, 2024
- 1.2 Circulating Tumor Cell Diagnostics Market Size and Growth Outlook, 2021- 2030
- 1.3 Circulating Tumor Cell Diagnostics Market Growth Opportunities to 2030
- 1.4 Key Circulating Tumor Cell Diagnostics Market Trends and Challenges
 - 1.4.1 Circulating Tumor Cell Diagnostics Market Drivers and Trends
 - 1.4.2 Circulating Tumor Cell Diagnostics Market Challenges
- 1.5 Competitive Landscape and Key Players
- 1.6 Competitive Analysis- Growth Strategies Adopted by Leading Circulating Tumor Cell Diagnostics Companies

2. CIRCULATING TUMOR CELL DIAGNOSTICS MARKET SIZE OUTLOOK TO 2030

- 2.1 Circulating Tumor Cell Diagnostics Market Size Outlook, USD Million, 2021- 2030
- 2.2 Circulating Tumor Cell Diagnostics Incremental Market Growth Outlook, %, 2021- 2030
- 2.3 Segment Snapshot, 2024

3. CIRCULATING TUMOR CELL DIAGNOSTICS MARKET- STRATEGIC ANALYSIS REVIEW

- 3.1 Porter's Five Forces Analysis
 - * Threat of New Entrants
 - * Threat of Substitutes
 - * Intensity of Competitive Rivalry
 - * Bargaining Power of Buyers
 - * Bargaining Power of Suppliers
- 3.2 Value Chain Analysis
- 3.3 SWOT Analysis

4. CIRCULATING TUMOR CELL DIAGNOSTICS MARKET SEGMENTATION ANALYSIS AND OUTLOOK

- 4.1 Market Segmentation and Scope
- 4.2 Market Breakdown by Type, Application, and Other Segments, 2021-2030
 - By Type

Stationary 3D and 4D Ultrasound Devices
Portable 3D and 4D Ultrasound Devices
By Display
Color Ultrasound
B/W Ultrasound
By Portability
Trolley or Cart-Based Ultrasound Systems
Compact/Handheld Ultrasound Systems
Point-of-Pare (PoC) Ultrasound Systems
By Application
Radiology or General Imaging
Obstetrics or Gynecology
Cardiology
Urology
Vascular
Orthopedic and Musculoskeletal
Pain Management
Others
By End-User
Hospitals
Surgical Centers and Diagnostic Centers
Maternity Centers
Ambulatory Care Centers
Research and Academia
Others
4.3 Growth Prospects and Niche Opportunities, 2023- 2030
4.4 Regional comparison of Market Growth, CAGR, 2023-2030

5. REGION-WISE MARKET OUTLOOK TO 2030

5.1 Key Findings for Asia Pacific Circulating Tumor Cell Diagnostics Market, 2025
5.2 Asia Pacific Circulating Tumor Cell Diagnostics Market Size Outlook by Type, 2021-2030
5.3 Asia Pacific Circulating Tumor Cell Diagnostics Market Size Outlook by Application, 2021- 2030
5.4 Key Findings for Europe Circulating Tumor Cell Diagnostics Market, 2025
5.5 Europe Circulating Tumor Cell Diagnostics Market Size Outlook by Type, 2021-2030
5.6 Europe Circulating Tumor Cell Diagnostics Market Size Outlook by Application,

2021- 2030

5.7 Key Findings for North America Circulating Tumor Cell Diagnostics Market, 2025

5.8 North America Circulating Tumor Cell Diagnostics Market Size Outlook by Type, 2021- 2030

5.9 North America Circulating Tumor Cell Diagnostics Market Size Outlook by Application, 2021- 2030

5.10 Key Findings for South America Circulating Tumor Cell Diagnostics Market, 2025

5.11 South America Pacific Circulating Tumor Cell Diagnostics Market Size Outlook by Type, 2021- 2030

5.12 South America Circulating Tumor Cell Diagnostics Market Size Outlook by Application, 2021- 2030

5.13 Key Findings for Middle East and Africa Circulating Tumor Cell Diagnostics Market, 2025

5.14 Middle East Africa Circulating Tumor Cell Diagnostics Market Size Outlook by Type, 2021- 2030

5.15 Middle East Africa Circulating Tumor Cell Diagnostics Market Size Outlook by Application, 2021- 2030

6. COUNTRY-WISE MARKET SIZE OUTLOOK TO 2030

6.1 US Circulating Tumor Cell Diagnostics Market Size Outlook and Revenue Growth Forecasts

6.2 US Circulating Tumor Cell Diagnostics Industry Drivers and Opportunities

6.3 Canada Market Size Outlook and Revenue Growth Forecasts

6.4 Canada Circulating Tumor Cell Diagnostics Industry Drivers and Opportunities

6.6 Mexico Market Size Outlook and Revenue Growth Forecasts

6.6 Mexico Circulating Tumor Cell Diagnostics Industry Drivers and Opportunities

6.7 Germany Market Size Outlook and Revenue Growth Forecasts

6.8 Germany Circulating Tumor Cell Diagnostics Industry Drivers and Opportunities

6.9 France Market Size Outlook and Revenue Growth Forecasts

6.10 France Circulating Tumor Cell Diagnostics Industry Drivers and Opportunities

6.11 UK Market Size Outlook and Revenue Growth Forecasts

6.12 UK Circulating Tumor Cell Diagnostics Industry Drivers and Opportunities

6.13 Spain Market Size Outlook and Revenue Growth Forecasts

6.14 Spain Circulating Tumor Cell Diagnostics Industry Drivers and Opportunities

6.16 Italy Market Size Outlook and Revenue Growth Forecasts

6.16 Italy Circulating Tumor Cell Diagnostics Industry Drivers and Opportunities

6.17 Rest of Europe Market Size Outlook and Revenue Growth Forecasts

6.18 Rest of Europe Circulating Tumor Cell Diagnostics Industry Drivers and

Opportunities

- 6.19 China Market Size Outlook and Revenue Growth Forecasts
- 6.20 China Circulating Tumor Cell Diagnostics Industry Drivers and Opportunities
- 6.21 India Market Size Outlook and Revenue Growth Forecasts
- 6.22 India Circulating Tumor Cell Diagnostics Industry Drivers and Opportunities
- 6.23 Japan Market Size Outlook and Revenue Growth Forecasts
- 6.24 Japan Circulating Tumor Cell Diagnostics Industry Drivers and Opportunities
- 6.26 South Korea Market Size Outlook and Revenue Growth Forecasts
- 6.26 South Korea Circulating Tumor Cell Diagnostics Industry Drivers and Opportunities
- 6.27 Australia Market Size Outlook and Revenue Growth Forecasts
- 6.28 Australia Circulating Tumor Cell Diagnostics Industry Drivers and Opportunities
- 6.29 South East Asia Market Size Outlook and Revenue Growth Forecasts
- 6.30 South East Asia Circulating Tumor Cell Diagnostics Industry Drivers and Opportunities
- 6.31 Rest of Asia Pacific Market Size Outlook and Revenue Growth Forecasts
- 6.32 Rest of Asia Pacific Circulating Tumor Cell Diagnostics Industry Drivers and Opportunities
- 6.33 Brazil Market Size Outlook and Revenue Growth Forecasts
- 6.34 Brazil Circulating Tumor Cell Diagnostics Industry Drivers and Opportunities
- 6.36 Argentina Market Size Outlook and Revenue Growth Forecasts
- 6.36 Argentina Circulating Tumor Cell Diagnostics Industry Drivers and Opportunities
- 6.37 Rest of South America Market Size Outlook and Revenue Growth Forecasts
- 6.38 Rest of South America Circulating Tumor Cell Diagnostics Industry Drivers and Opportunities
- 6.39 Middle East Market Size Outlook and Revenue Growth Forecasts
- 6.40 Middle East Circulating Tumor Cell Diagnostics Industry Drivers and Opportunities
- 6.41 Africa Market Size Outlook and Revenue Growth Forecasts
- 6.42 Africa Circulating Tumor Cell Diagnostics Industry Drivers and Opportunities

7. CIRCULATING TUMOR CELL DIAGNOSTICS MARKET OUTLOOK ACROSS SCENARIOS

- 7.1 Low Growth Case
- 7.2 Reference Growth Case
- 7.3 High Growth Case

8. CIRCULATING TUMOR CELL DIAGNOSTICS COMPANY PROFILES

- 8.1 Profiles of Leading Circulating Tumor Cell Diagnostics Companies in the Market

8.2 Business Descriptions, SWOT Analysis, and Growth Strategies

8.3 Financial Performance and Key Metrics

AdnaGen AG

Advanced Cell Diagnostics

Apocell Inc

Aviva Biosciences

Biocep Ltd

Biocept Inc

Biofluidica Inc

Canopus Bioscience Ltd

CellTraffix Inc

Clearbridge BioMedics Pte Ltd

Creatv Microtech Inc

Epic Sciences Inc

Fluxion Biosciences Inc

Greiner Bio-One GmbH

Ikonisys Inc

IV Diagnostics Inc

Janssen Diagnostics

Miltenyi Biotech GmbH

Nanostring Technologies Inc

Rarecells Diagnostics.

ScreenCell

Silicon Biosystems

Sysmex Corp

Vitatex Inc

9. APPENDIX

9.1 Scope of the Report

9.2 Research Methodology and Data Sources

9.3 Glossary of Terms

9.4 Market Definitions

9.5 Contact Information

I would like to order

Product name: Circulating Tumor Cell Diagnostics Market Size, Trends, Analysis, and Outlook By Type (CTC Enrichment, CTC Detection, CTC Analysis), By Application (Tumorigenesis research, EMT biomarkers development, Cancer stem cell research, Others), by Region, Country, Segment, and Companies, 2024-2030

Product link: <https://marketpublishers.com/r/C917EADA02BAEN.html>

Price: US\$ 3,980.00 (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/C917EADA02BAEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970