

Circulating Tumor Cells Market Size, Trends, Analysis, and Outlook By Technology (CTC Detection & Enrichment Methods (Immunocapture, Size-based Separation, Density-based Separation, Combined Methods), CTC Direct Detection Methods (SERS, Microscopy, Others), CTC Analysis)), By Application (Clinical/ Liquid Biopsy (Risk Assessment, Screening and Monitoring), Research, Cancer Stem Cell & Tumorigenesis Research, Drug/Therapy Development), By Product (Kits & Reagents, Blood Collection Tubes, Devices or Systems), By Specimen (Blood, Bone Marrow, Others), By End-user (Research and Academic Institutes, Hospital and Clinics, Diagnostic Centers), by Region, Country, Segment, and Companies, 2024-2030

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Abstracts

The global Circulating Tumor Cells market size is poised to register 12.42% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Circulating Tumor Cells market across By Technology (CTC Detection & Enrichment Methods (Immunocapture, Size-based Separation, Density-based Separation, Combined Methods), CTC Direct Detection Methods (SERS, Microscopy, Others), CTC Analysis)), By Application (Clinical/ Liquid Biopsy (Risk Assessment, Screening and Monitoring), Research, Cancer Stem Cell &

Tumorogenesis Research, Drug/Therapy Development), By Product (Kits & Reagents, Blood Collection Tubes, Devices or Systems), By Specimen (Blood, Bone Marrow, Others), By End-user (Research and Academic Institutes, Hospital and Clinics, Diagnostic Centers).

The circulating tumor cells market is experiencing rapid growth, influenced by various trends and driving forces in 2024 and beyond. Circulating tumor cells (CTCs), which are cancer cells shed into the bloodstream from primary or metastatic tumors, hold immense potential as a non-invasive biomarker for cancer diagnosis, prognosis, and treatment monitoring. Market growth is driven by increasing cancer incidence worldwide, leading to a growing demand for non-invasive diagnostic and monitoring tools. Moreover, advancements in technologies for CTC isolation, enumeration, and molecular characterization are enhancing the sensitivity and specificity of CTC-based assays, enabling more accurate detection and characterization of cancer cells in peripheral blood samples. Additionally, the growing focus on personalized medicine and precision oncology is fueling the development of companion diagnostic tests based on CTC analysis, facilitating targeted therapy selection and treatment optimization for cancer patients. Furthermore, collaborations between academic research institutions, biotechnology companies, and healthcare providers are driving innovation and shaping industry dynamics in the circulating tumor cells market.

Circulating Tumor Cells 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 Cells market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Circulating Tumor Cells 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 Cells industry.

Key market trends defining the global Circulating Tumor Cells 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 Cells Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The Circulating Tumor Cells 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 Cells 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 Cells industry

Leading Circulating Tumor Cells 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 Cells companies.

Circulating Tumor Cells Market Study- Strategic Analysis Review

The Circulating Tumor Cells 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 Cells Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Circulating Tumor Cells 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 Cells 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 Cells 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 Cells market segments. Similarly, Strong end-user demand is encouraging Canadian Circulating Tumor Cells companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico Circulating Tumor Cells market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

Europe Circulating Tumor Cells 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 Cells 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 Cells 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 Cells 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 Cells in Asia Pacific. In particular, China, India, and South East Asian Circulating Tumor Cells 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 Cells 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 Cells 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 Cells market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Circulating Tumor Cells.

Circulating Tumor Cells Market Company Profiles

The global Circulating Tumor Cells 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 AVIVA Biosciences, BIOCEPT, Inc., BioCEP Ltd., BioFluidica, Biolidics Limited, Bio-Techne Corporation, Canopus Bioscience Ltd., Creativ MicroTech, Inc., Epic Sciences, Fluxion Biosciences, Inc., Greiner Bio-One International GmbH, Ikonisys, Inc., IVDiagnostics, Inc., LineaRx, Inc. (Vitatex, Inc.), LungLife AI, Inc., Menarini Silicon Biosystems, Miltenyi Biotec, Precision for Medicine, QIAGEN, Rarecells Diagnostics, ScreenCell, STEMCELL Technologies, Inc., Sysmex Corporation, , ,

Recent Circulating Tumor Cells Market Developments

The global Circulating Tumor Cells 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 Cells 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 Technology

CTC Detection & Enrichment Methods

- Immunocapture (Label-based)
- Size-based Separation (Label-free)
- Density-based Separation (Label-free)
- Combined Methods

CTC Direct Detection Methods

- SERS
- Microscopy
- Others

CTC Analysis

By Application

Clinical/ Liquid Biopsy

- Risk Assessment
- Screening and Monitoring

Research

- Cancer Stem Cell & Tumorigenesis Research
- Drug/Therapy Development

By Product

Kits & Reagents

Blood Collection Tubes

Devices or Systems

By Specimen

Blood

Bone Marrow

Others

By End-user

Research and Academic Institutes

Hospital and Clinics

Diagnostic Centers

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

AVIVA Biosciences

BIOCEPT, Inc.

BioCEP Ltd.

BioFluidica

Biolidics Limited

Bio-Techne Corporation

Canopus Bioscience Ltd.

Creativ MicroTech, Inc.

Epic Sciences

Fluxion Biosciences, Inc.

Greiner Bio-One International GmbH

Ikonisys, Inc.

IVDiagnostics, Inc.

LineaRx, Inc. (Vitatex, Inc.)

LungLife AI, Inc.

Menarini Silicon Biosystems

Miltenyi Biotec

Precision for Medicine

QIAGEN

Rarecells Diagnostics

ScreenCell

STEMCELL Technologies, Inc.

Sysmex Corporation

Formats Available: Excel, PDF, and PPT

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- CTC Direct Detection Methods
- SERS
- Microscopy
- Others
- CTC Analysis
- By Application
- Clinical/ Liquid Biopsy
- Risk Assessment
- Screening and Monitoring
- Research
- Cancer Stem Cell & Tumorigenesis Research
- Drug/Therapy Development
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- Kits & Reagents
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AVIVA Biosciences

BIOCEPT, Inc.

BioCEP Ltd.

BioFluidica

Biolidics Limited

Bio-Techne Corporation

Canopus Bioscience Ltd.

Creativ MicroTech, Inc.

Epic Sciences
Fluxion Biosciences, Inc.
Greiner Bio-One International GmbH
Ikonisys, Inc.
IVDiagnostics, Inc.
LineaRx, Inc. (Vitatex, Inc.)
LungLife AI, Inc.
Menarini Silicon Biosystems
Miltenyi Biotec
Precision for Medicine
QIAGEN
Rarecells Diagnostics
ScreenCell
STEMCELL Technologies, Inc.
Sysmex Corporation

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