

# **Exosome Research Products Market: Market Segments: By Product & Service (Kit & Reagent, Instrument and Service); By Application (Cancer Application and Non-Cancer Application); By End User (Academic and Research Institutes, Pharmaceutical and Biotechnology Companies and Hospitals and Clinical Testing Laboratories); and Region – Global Analysis of Market Size, Share & Trends for 2014– 2020 and Forecasts to 2030**

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## **Abstracts**

Exosome Research Products Market: Market Segments: By Product & Service (Kit & Reagent, Instrument and Service); By Application (Cancer Application and Non-Cancer Application); By End User (Academic and Research Institutes, Pharmaceutical and Biotechnology Companies and Hospitals and Clinical Testing Laboratories); and Region – Global Analysis of Market Size, Share & Trends for 2014– 2020 and Forecasts to 2030

### Product Overview

Exosomes are small lipid nanoparticles originating from the endosome and are typically 50-120 nm in diameter, actively secreted in most living cells by exocytosis. Under both normal and pathological conditions, exosome release occurs either constitutively or upon induction, in a complex, regulated, and functionally important manner. Exosomes are secreted as extracellular vesicles by several cells and are present in body fluids including saliva, plasma, urine, and serum. Exosomes consist of lipid bilayer membranes and are typically packed with various proteins, such as mRNA, microRNA, and DNA nucleic acids.

### Market Highlights

Global Exosome Research Products Market is expected to project a notable CAGR of XX.X% in 2030.

Global Exosome Research Products Market to surpass USD XXXX million by 2030 from USD XXXX million in 2020 at a CAGR of X. XX% in the coming years, i.e., 2020-30. Exosome research products market is driving by the mounting adoption of exosome-based procedures along with rising funding in life science research. Global Exosome Research Products Market: Segments

Kit & Reagent segment to grow with the highest CAGR during 2021-30

Global Exosome Research Products market is segmented by Product & Service into Kit & Reagent, Instrument, and Service. Kit & Reagent, the segment held the largest market share of XX.X% in the year 2020 owing to the mounting demand for liquid biopsy tests, rising basic research and commercial applications of exosomes, and the requirement for reliable and specific diagnostic assays. Market Dynamics

Drivers

Increasing incidences of cancer

Growing prevalence of cancer cases is projected to have a positive impact on the exosomes research products market. In the United States, according to the 2018 report of the National Cancer Institute, about 1.7 million new cases of cancer were diagnosed in the country and approximately 0.6 million patients died due to cancer. Exosomes are considered to be one of the best biomarkers of cancer diagnosis owing to their unique biological physical properties and physiological functions. To deliver therapeutic molecules against lung and breast cancers, exosomes derived from cow's milk are used. Because of the improved passive targeting, due to its small scale, indigenous nature, and the ability to cross biological barriers, exosomes derived from unique body sites are promising candidates for anti-cancer vaccines. Hence the rise in cancer cases in the hospitals directly increases the demand for exosomes in both diagnosis and therapeutics. Restraint

Lack of skilled professionals

Lack of trained and skilled professionals is estimated to hamper the exosomes research products market. Moreover, a shortage of funds in developing regions is likely to impede the market growth. Furthermore, for the successful implementation of exosomes in various applications, various technical challenges need to be addressed. Some of the primary challenges include increasing the homogeneity of exosomes, optimization of purification, and efficient transfection strategies. Global Exosome Research Products

Market: Key Players

Thermo Fisher Scientific

Company Overview, Business Strategy, Key Product Offerings, Financial Performance, Key Performance Indicators, Risk Analysis, Recent Development, Regional Presence, SWOT Analysis

QIAGEN N.V.

Lonza

Bio-Techne

System Biosciences, LLC

NX Pharmagen

Miltenyi Biotec

AMS Biotechnology

NanoSomiX

Norgen Biotek Corp

Other Prominent Players

Global Exosome Research Products Market: Regions

Global Exosome Research Products Market is segmented based on regional analysis into five major regions. These include North America, Latin America, Europe, Asia Pacific, and the Middle East, and Africa. Global Exosome Research Products Market in North America held the largest market share of XX.X% in the year 2020. North America will continue to dominate the global Exosome Research Products market owing to the increasing government fund for life sciences research, presence of high-quality infrastructure for clinical and laboratory research, and rising emphasis exosomes in research and diagnostics. Furthermore, growing biotechnology and pharmaceutical industries and increasing incidences of cancer in the region is expected to stimulate market growth.

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### Consultant Recommendation

\*\*The above-given segmentations and companies could be subjected to further modification based on in-depth feasibility studies conducted for the final deliverable.

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