

Aptamers Market Size, Share & Trends Analysis By Product, By Applications, By Technology, By End Users, Regional Outlook, Competitive Strategies and Segment Forecasts to 2030

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Abstracts

Global Aptamers Market is projected to be worth USD 592 million by 2030

According to SPER Market Research, the Aptamers Market estimated to reach USD 592 million by 2030 with a CAGR of 16.4%. Aptamers are short, single-stranded DNA, RNA, or synthetic XNA molecules, which bind to a specific target molecule. They are used to facilitate discoveries in basic research, ensure food safety and environment monitoring.

Increase in the occurrence of chronic diseases, the record breaking number of clinical trials, and awareness about the pros of aptamers than antibodies, growing investment in R&D, and aptamers-based therapeutics and diagnostics; are the fuel for the growth of aptamers market.

Impact of COVID-19 on the Aptamers Market

The outbreak of COVID-19 boosted the production companies which provide aptamers-based therapeutics & diagnostics.

Scope of the report:

Market size available for years
2019-2030

Base year considered

2021

Forecast period
2022-2030

Segments covered
By product type, By Application, By Technology, By End Users, By Region

Geographies covered
North America, Europe, Asia Pacific, South America and Rest of the World

Companies Covered
Aptamer Group, Aptamer Sciences, Inc. Aptagen, LLC, Raptamer Discovery Group, SomaLogic Inc.

Drivers: increasing awareness of pros of aptamers over antibodies
Aptamers can better target smaller molecules than antibody. Aptamers are used both in diagnostic & therapeutic applications. It can cross easily the BBB i.e. blood brain barrier, cost effective as compared to antibodies.

Restraints: Low market acceptance as compared to antibodies
Even though there is lots of a pro of aptamers than antibody, it has little affinity, less approval by the market, low acceptance by the scientific community. This is probable the reason for shrinkage of the market.

Opportunities: Growth in the venture capital funding for research on aptamers
Increase in the investment, increase venture capital, for both therapeutic and diagnostic applicable aptamers. This leads to the expansion of this market.

Challenges: Shortage of skilled & trained professionals
Need of trained person, highly technical, lack of personnel is the challenges to this market.

Global Aptamers Market, by Product:
Based upon product type, Aptamers market segmented as; DNA Aptamers, XNA Aptamers, RNA Aptamers.

Global Aptamers Market, by Application;
Based upon Application, Aptamers market segmented as; Therapeutics Development,

Research & Development, Diagnostic, Others.

Global Aptamers Market, by Technology:

Based upon the Technology, Aptamers market segmented as; SELEX, Others.

Global Aptamers Market, by End Users:

Based upon the End Users, Aptamers market segmented as; Pharmaceutical & Biotechnology Companies, Academic & Government Research Institutes, CROs, Others

Global Aptamers Market, by End Region:

The biggest share of Aptamers Market is with North America. This is due to the existence of top market players, accessibility of funds for innovative techniques.

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