

Aptamers Market by Product Type (DNA, RNA, XNA), Technology (SELEX), Application (Therapeutics, Diagnostics, R&D), End Users (Pharmaceutical & Biotechnology Companies, Academic & Government Research Institutes, CROs) - Global Forecast to 2026

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Abstracts

The aptamers market valued at an estimated USD 151 million in 2021 and is projected to reach USD 342 million by 2026, at a CAGR of 17.7% during the forecast period. Growth of aptamers market is attributed to factors such as increase in number of clinical trials for development of aptamer-based therapeutics, increase in awareness about advantages of aptamers as compared to antibodies, rising investment in pharmaceutical R&D, and rising prevalence of chronic and rare diseases to increase the demand for aptamer-based therapeutics and diagnostics. Growth in the venture capital funding for research on aptamers and growing collaborations with research institutes and pharmaceutical companies are also expected to offer a wide range of growth opportunities to players in the market. On the other hand, low market acceptance as compared to antibodies is likely to restrain the market growth while shortage of skilled & trained professionals may challenge market growth to a certain extent.

“SELEX is the largest end-user segment in the aptamers market in 2020”

Based on technology, the aptamers market is segmented into SELEX and other technologies. The SELEX technology segment dominated the market in 2020. The segment accounts for a large share of the aptamers market as SELEX is one of the most widely used technologies. The other technologies segment is expected to register the highest CAGR during the forecast period due to the increasing focus on developing technologies for aptamer selection.

“Diagnostic segment is anticipated to witness the fastest growth during the forecast period.”

Based on the application, the aptamers market is segmented into therapeutics development, research & development, diagnostics, and other applications. In 2020, the therapeutics development segment dominated the market due to the increasing number of clinical trials evaluating aptamers for new therapies and collaborations among aptamer companies & prominent pharmaceutical and biotechnology firms. The diagnostic segment is projected to grow at the highest CAGR due to the increasing prevalence of chronic diseases and the development of new diagnostic kits to detect cancer and other diseases.

“Asia Pacific region is anticipated to witness the fastest growth during the forecast period.”

The aptamers market is segmented into North America, Europe, the Asia Pacific, Latin America, and the Middle East & Africa. The Asia Pacific market is estimated to record the highest CAGR during the forecast period. This is attributed to the rising R&D activities on aptamers, the development of aptamer-based products, and the rising focus on drug discovery and development.

The break-down of primary participants is as mentioned below:

By Company Type - Tier 1: 35%, Tier 2: 40%, and Tier 3: 25%

By Designation - C-level: 45%, Director-level: 30%, and Others: 25%

By Region - North America: 40%, Europe: 25%, Asia Pacific: 20%, Latin America: 10%, and the Middle East & Africa: 5%

Aptamer Group (UK), Raptamer Discovery Group (US), SomaLogic Inc., (US), Aptamer Sciences, Inc. (South Korea), Aptagen, LLC (US), Maravai Lifesciences (US), Kaneka Corporation (Japan).

Research Coverage:

The report analyzes the aptamers market and aims at estimating the market size and future growth potential of various market segments, based on type, technology,

application, end user, and region. The report also provides a competitive analysis of the key players operating in this market, along with their company profiles, product offerings, recent developments, and key market strategies.

Reasons to Buy the Report

This report will enrich established firms as well as new entrants/smaller firms to gauge the pulse of the market, which, in turn, would help them garner a greater share of the market. Firms purchasing the report could use one or a combination of the below-mentioned strategies to strengthen their positions in the market.

This report provides insights on:

Market Penetration: Comprehensive information on the product portfolios of the top players in the aptamers market. The report analyzes this market by type, technology, application, end user and region

Market Development: Comprehensive information on the lucrative emerging markets, by type, technology, application, end user and region

Market Diversification: Exhaustive information about the product portfolios, growing geographies, recent developments, and investments in the aptamers market

Competitive Assessment: In-depth assessment of market shares, growth strategies, product offerings, and capabilities of the leading players in the aptamers market

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*Details on Business Overview, Products Offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats) might not be captured in case of unlisted companies.

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