

Aptamers Market, 2012 to 2023

<https://marketpublishers.com/r/ADAED6271B2EN.html>

Date: January 2018

Pages: 190

Price: US\$ 4,400.00 (Single User License)

ID: ADAED6271B2EN

Abstracts

Aptamers market is growing at a significant CAGR owing to rise in the investment in biotechnology and pharmaceutical companies for R&D activities, technological developments, an increase in the therapeutic application anticipated to fuel the aptamers market over the forecast period. Furthermore, increase in the using of aptamers in drug discovery, entry of private organizations in research and development space, and advantages of aptamers over other therapeutics expected to drive the aptamers market. However, stringent regulatory policies and ethical issues in aptamers usage, dearth of aptamers in the market in the undeveloped regions, and lack of awareness about the aptamers usage expected to dampen the growth of aptamers market over the forecast period.

Global Aptamers Market

Aptamers are the single-stranded peptide or oligonucleotide molecules that bind to the protein, nucleic acid molecules or target lipid with the high specificity. Aptamers are used in pharmaceutical studies, laboratory diagnosis, drug discovery, molecular recognition, and treatment of certain diseases. In addition, aptamers are also used in the production of cost-effective and improved medicines, the advantages of aptamers over protein therapeutics include in terms of synthetic accessibility, modification, and size. Aptamers are commonly used in the treatment of AIDS owing to faster development than the antibodies which lead to curing of diseases very faster.

Global aptamers market is segmented on the basis of aptamers type, application, and end user

Based on the aptamers type, Aptamers market is segmented into the following:

Nucleic acid aptamers

RNA-based
XNA-based
DNA-based
Peptide aptamers

Based on the application, This market is segmented into the following

Research & Development
Therapeutic development
Diagnostics

Based on the end user, This market is segmented into the following:

Pharmaceutical companies
Biopharmaceutical companies
Research and academic institutes
Others

Nowadays, Aptamers market is the growing stage with an increase in R&D activities by the various biopharmaceutical companies and research institutes. Technological advancements and drug innovations are expected to fuel the aptamers market. For instance, in 2014, MIT scientists created DNA-based drug targeting system comprising of aptamers and ultraviolet light which leads to binding of aptamers with high specificity. Acquisitions and mergers, collaborations, newer technologies launches, fundraising for aptamers development and patent approvals are some key strategies adopted by the companies to increase their share in the global aptamers market. For instance, in February 2012, Valent pharmaceutical acquired Eyetech and enters into the aptamers market with the marketing of Macugen anti-VEGF aptamers in U.S. Moreover, in February 2016, researchers from Institute of Bioengineering and Nanotechnology (Singapore) have developed more efficient DNA technology for detection and treatment of cancer and infectious diseases.

Geographically, Aptamers market is segmented into following regions, Viz. Europe, Latin America, North America, Asia Pacific, and the Middle East and Africa. North America is expected to hold a dominant share in aptamers market owing to technological advancements, a rise in collaboration of biopharmaceutical companies for R&D activities, and favourable government regulations for clinical trials. Europe has a significant growth in aptamers market owing to the adoption of developed aptamer technologies, increase in the prevalence of chronic diseases, an increase in the

preference for aptamer-based treatment in Europe countries is the key factors expected to drive the aptamers market growth. Asia Pacific has shown lucrative growth over the forecast period owing to increase in the incidence and prevalence of chronic diseases, rise in demand for cost-effective treatment, increase in healthcare expenditure, and adoption of novel technologies majorly in Japan and China are the factors expected to boost the aptamers market in the region.

Some of the players in Aptamers market are NeoVentures Biotechnology, Inc. (Canada), Aptagen, LLC (U.S.), Aptamer Solutions Ltd. (U.K.), SomaLogic, Inc. (U.S.), AM Biotechnologies, LLC (U.S.), TriLink BioTechnologies, Inc. (U.S.), Vivonics, Inc. (U.S.), and Apta Targets (Spain) to name a few.

In May 2017, AptaTargets raised € 2.7 Mn funding from Caixa Capital Risc for the development of clinical trials for ApTOLL, a drug used in the treatment of acute ischemic stroke

Contents

1. EXECUTIVE SUMMARY

2. GLOBAL APTAMERS MARKET INTRODUCTION

2.1. Global Aptamers Market – Taxonomy

2.2. Global Aptamers Market –Definitions

2.2.1. Aptamer Type

2.2.2. Application

2.2.3. End-User

3. GLOBAL APTAMERS MARKET DYNAMICS

3.1. Drivers

3.2. Restraints

3.3. Opportunities/Unmet Needs of the Market

3.4. Trends

3.5. Global Aptamers Market Dynamics – Factors Impact Analysis

3.6. Global Aptamers Market – Regulations

3.6.1. U.S.

3.6.2. Europe

4. GLOBAL APTAMERS MARKET ANALYSIS, 2012 - 2016 AND FORECAST, 2017 – 2023

4.1. Market Analysis, 2012 – 2016 and Forecast, 2017 – 2023 (Revenue, USD Mn)

4.2. Year-over-Year (Y-o-Y) Growth Analysis (%)

4.3. Market Opportunity Analysis

5. GLOBAL APTAMERS MARKET, BY APTAMER TYPE, 2012 - 2016 AND FORECAST, 2017 - 2023

5.1. Nucleic acid aptamers

5.1.1. Market Analysis, 2012 – 2016 and Forecast, 2017 – 2023 (Revenue, USD Mn)

5.1.2. Year-over-Year (Y-o-Y) Growth Analysis (%) and Market Share Analysis (%)

5.1.3. Market Opportunity Analysis

5.2. RNA-based

5.2.1. Market Analysis, 2012 – 2016 and Forecast, 2017 – 2023 (Revenue, USD Mn)

5.2.2. Year-over-Year (Y-o-Y) Growth Analysis (%) and Market Share Analysis (%)

5.2.3. Market Opportunity Analysis

5.3. XNA-based

5.3.1. Market Analysis, 2012 – 2016 and Forecast, 2017 – 2023 (Revenue, USD Mn)

5.3.2. Year-over-Year (Y-o-Y) Growth Analysis (%) and Market Share Analysis (%)

5.3.3. Market Opportunity Analysis

5.4. DNA-based

5.4.1. Market Analysis, 2012 – 2016 and Forecast, 2017 – 2023 (Revenue, USD Mn)

5.4.2. Year-over-Year (Y-o-Y) Growth Analysis (%) and Market Share Analysis (%)

5.4.3. Market Opportunity Analysis

5.5. Peptide aptamers

5.5.1. Market Analysis, 2012 – 2016 and Forecast, 2017 – 2023 (Revenue, USD Mn)

5.5.2. Year-over-Year (Y-o-Y) Growth Analysis (%) and Market Share Analysis (%)

5.5.3. Market Opportunity Analysis

6. GLOBAL APTAMERS MARKET FORECAST, BY APPLICATION, 2012 - 2016 AND FORECAST, 2017 - 2023

6.1. Research & Development

6.1.1. Market Analysis, 2012 – 2016 and Forecast, 2017 – 2023 (Revenue, USD Mn)

6.1.2. Year-over-Year (Y-o-Y) Growth Analysis (%) and Market Share Analysis (%)

6.1.3. Market Opportunity Analysis

6.2. Therapeutic development

6.2.1. Market Analysis, 2012 – 2016 and Forecast, 2017 – 2023 (Revenue, USD Mn)

6.2.2. Year-over-Year (Y-o-Y) Growth Analysis (%) and Market Share Analysis (%)

6.2.3. Market Opportunity Analysis

6.3. Diagnostics

6.3.1. Market Analysis, 2012 – 2016 and Forecast, 2017 – 2023 (Revenue, USD Mn)

6.3.2. Year-over-Year (Y-o-Y) Growth Analysis (%) and Market Share Analysis (%)

6.3.3. Market Opportunity Analysis

7. GLOBAL APTAMERS MARKET FORECAST, BY END-USER, 2012 - 2016 AND FORECAST, 2017 - 2023

7.1. Pharmaceutical companies

7.1.1. Market Analysis, 2012 – 2016 and Forecast, 2017 – 2023 (Revenue, USD Mn)

7.1.2. Year-over-Year (Y-o-Y) Growth Analysis (%) and Market Share Analysis (%)

7.1.3. Market Opportunity Analysis

7.2. Biopharmaceutical companies

- 7.2.1. Market Analysis, 2012 – 2016 and Forecast, 2017 – 2023 (Revenue, USD Mn)
- 7.2.2. Year-over-Year (Y-o-Y) Growth Analysis (%) and Market Share Analysis (%)
- 7.2.3. Market Opportunity Analysis
- 7.3. Research and academic institutes
 - 7.3.1. Market Analysis, 2012 – 2016 and Forecast, 2017 – 2023 (Revenue, USD Mn)
 - 7.3.2. Year-over-Year (Y-o-Y) Growth Analysis (%) and Market Share Analysis (%)
 - 7.3.3. Market Opportunity Analysis
- 7.4. Others
 - 7.4.1. Market Analysis, 2012 – 2016 and Forecast, 2017 – 2023 (Revenue, USD Mn)
 - 7.4.2. Year-over-Year (Y-o-Y) Growth Analysis (%) and Market Share Analysis (%)
 - 7.4.3. Market Opportunity Analysis

8. GLOBAL APTAMERS MARKET FORECAST, BY REGION, 2012 - 2016 AND FORECAST, 2017 - 2023

- 8.1. North America
 - 8.1.1. Market Analysis, 2012 – 2016 and Forecast, 2017 – 2023 (Revenue, USD Mn)
 - 8.1.2. Year-over-Year (Y-o-Y) Growth Analysis (%) and Market Share Analysis (%)
 - 8.1.3. Market Opportunity Analysis
- 8.2. Europe
 - 8.2.1. Market Analysis, 2012 – 2016 and Forecast, 2017 – 2023 (Revenue, USD Mn)
 - 8.2.2. Year-over-Year (Y-o-Y) Growth Analysis (%) and Market Share Analysis (%)
 - 8.2.3. Market Opportunity Analysis
- 8.3. Asia-Pacific
 - 8.3.1. Market Analysis, 2012 – 2016 and Forecast, 2017 – 2023 (Revenue, USD Mn)
 - 8.3.2. Year-over-Year (Y-o-Y) Growth Analysis (%) and Market Share Analysis (%)
 - 8.3.3. Market Opportunity Analysis
- 8.4. Latin America
 - 8.4.1. Market Analysis, 2012 – 2016 and Forecast, 2017 – 2023 (Revenue, USD Mn)
 - 8.4.2. Year-over-Year (Y-o-Y) Growth Analysis (%) and Market Share Analysis (%)
 - 8.4.3. Market Opportunity Analysis
- 8.5. Middle East and Africa
 - 8.5.1. Market Analysis, 2012 – 2016 and Forecast, 2017 – 2023 (Revenue, USD Mn)
 - 8.5.2. Year-over-Year (Y-o-Y) Growth Analysis (%) and Market Share Analysis (%)
 - 8.5.3. Market Opportunity Analysis
- 8.6. Global Aptamers Market - Opportunity Analysis Index, By Aptamer Type, By Application, By End-User, and Region, 2017 – 2023

9. NORTH AMERICA APTAMERS MARKET ANALYSIS, 2012 - 2016 AND

FORECAST, 2017 - 2023

9.1. Aptamer Type Analysis (2012 – 2016) and Forecast (2017 – 2023) by Revenue (USD Mn), Y-o-Y Growth (%), and Market Share (%)

9.1.1. Nucleic acid aptamers

9.1.2. RNA-based

9.1.3. XNA-based

9.1.4. DNA-based

9.1.5. Peptide aptamers

9.2. Application Analysis (2012 – 2016) and Forecast (2017 – 2023) by Revenue (USD Mn), Y-o-Y Growth (%) and Market Share (%)

9.2.1. Research & Development

9.2.2. Therapeutic development

9.2.3. Diagnostics

9.3. End-User Analysis (2012 – 2016) and Forecast (2017 – 2023) by Revenue (USD Mn), Y-o-Y Growth (%) and Market Share (%)

9.3.1. Pharmaceutical companies

9.3.2. Biopharmaceutical companies

9.3.3. Research and academic institutes

9.3.4. Others

9.4. Country Analysis (2012 – 2016) and Forecast (2017 – 2023) by Revenue (USD Mn) Y-o-Y Growth (%) and Market Share (%)

9.4.1. U.S.

9.4.2. Canada

9.5. North America Aptamers Market - Opportunity Analysis Index, By Aptamer Type, By Application, By End-User, and Country, 2017 – 2023

9.6. North America Aptamers Market Dynamics – Trends

10. EUROPE APTAMERS MARKET ANALYSIS, 2012 - 2016 AND FORECAST, 2017 - 2023

10.1. Aptamer Type Analysis (2012 – 2016) and Forecast (2017 – 2023) by Revenue (USD Mn), Y-o-Y Growth (%), and Market Share (%)

10.1.1. Nucleic acid aptamers

10.1.2. RNA-based

10.1.3. XNA-based

10.1.4. DNA-based

10.1.5. Peptide aptamers

10.2. Application Analysis (2012 – 2016) and Forecast (2017 – 2023) by Revenue (USD

Mn), Y-o-Y Growth (%) and Market Share (%)

10.2.1. Research & Development

10.2.2. Therapeutic development

10.2.3. Diagnostics

10.3. End-User Analysis (2012 – 2016) and Forecast (2017 – 2023) by Revenue (USD Mn), Y-o-Y Growth (%) and Market Share (%)

10.3.1. Pharmaceutical companies

10.3.2. Biopharmaceutical companies

10.3.3. Research and academic institutes

10.3.4. Others

10.4. Country Analysis (2012 – 2016) and Forecast (2017 – 2023) by Revenue (USD Mn), Y-o-Y Growth (%) and Market Share (%)

10.4.1. Germany

10.4.2. UK

10.4.3. France

10.4.4. Spain

10.4.5. Italy

10.4.6. Russia

10.4.7. Poland

10.4.8. Rest of Europe

10.5. Europe Aptamers Market - Opportunity Analysis Index, By Aptamer Type, By Application, By End-User, and Country, 2017 – 2023

10.6. Europe Aptamers Market Dynamics – Trends

11. ASIA-PACIFIC APTAMERS MARKET ANALYSIS, 2012 - 2016 AND FORECAST, 2017 - 2023

11.1. Aptamer Type Analysis (2012 – 2016) and Forecast (2017 – 2023) by Revenue (USD Mn), Y-o-Y Growth (%), and Market Share (%)

11.1.1. Nucleic acid aptamers

11.1.2. RNA-based

11.1.3. XNA-based

11.1.4. DNA-based

11.1.5. Peptide aptamers

11.2. Application Analysis (2012 – 2016) and Forecast (2017 – 2023) by Revenue (USD Mn), Y-o-Y Growth (%) and Market Share (%)

11.2.1. Research & Development

11.2.2. Therapeutic development

11.2.3. Diagnostics

11.3. End-User Analysis (2012 – 2016) and Forecast (2017 – 2023) by Revenue (USD Mn), Y-o-Y Growth (%) and Market Share (%)

- 11.3.1. Pharmaceutical companies
- 11.3.2. Biopharmaceutical companies
- 11.3.3. Research and academic institutes
- 11.3.4. Others

11.4. Country Analysis (2012 – 2016) and Forecast (2017 – 2023) by Revenue (USD Mn),

Y-o-Y Growth (%), and Market Share (%)

- 11.4.1. Japan
- 11.4.2. China
- 11.4.3. India
- 11.4.4. ASEAN
- 11.4.5. Australia & New Zealand
- 11.4.6. Rest of Asia-Pacific

11.5. Asia-Pacific Aptamers Market - Opportunity Analysis Index, By Aptamer Type, By Application, By End-User, and Country, 2017 – 2023

11.6. Europe Aptamers Market Dynamics – Trends

12. LATIN AMERICA APTAMERS MARKET ANALYSIS, 2012 - 2016 AND FORECAST, 2017 - 2023

12.1. Aptamer Type Analysis (2012 – 2016) and Forecast (2017 – 2023) by Revenue (USD Mn), Y-o-Y Growth (%), and Market Share (%)

- 12.1.1. Nucleic acid aptamers
- 12.1.2. RNA-based
- 12.1.3. XNA-based
- 12.1.4. DNA-based
- 12.1.5. Peptide aptamers

12.2. Application Analysis (2012 – 2016) and Forecast (2017 – 2023) by Revenue (USD Mn), Y-o-Y Growth (%) and Market Share (%)

- 12.2.1. Research & Development
- 12.2.2. Therapeutic development
- 12.2.3. Diagnostics

12.3. End-User Analysis (2012 – 2016) and Forecast (2017 – 2023) by Revenue (USD Mn), Y-o-Y Growth (%) and Market Share (%)

- 12.3.1. Pharmaceutical companies
- 12.3.2. Biopharmaceutical companies
- 12.3.3. Research and academic institutes

12.3.4. Others

12.4. Country Analysis (2012 – 2016) and Forecast (2017 – 2023) by Revenue (USD Mn), Y-o-Y Growth (%) and Market Share (%)

12.4.1. Brazil

12.4.2. Mexico

12.4.3. Argentina

12.4.4. Venezuela

12.4.5. Rest of Latin America

12.5. Latin America Aptamers Market - Opportunity Analysis Index, By Aptamer Type, By Application, By End-User, and Country, 2017 – 2023

12.6. Latin America Aptamers Market Dynamics – Trends

13. MIDDLE EAST AND AFRICA APTAMERS MARKET ANALYSIS, 2012 - 2016 AND FORECAST, 2017 - 2023

13.1. Aptamer Type Analysis (2012 – 2016) and Forecast (2017 – 2023) by Revenue (USD Mn), Y-o-Y Growth (%), and Market Share (%)

13.1.1. Nucleic acid aptamers

13.1.2. RNA-based

13.1.3. XNA-based

13.1.4. DNA-based

13.1.5. Peptide aptamers

13.2. Application Analysis (2012 – 2016) and Forecast (2017 – 2023) by Revenue (USD Mn), Y-o-Y Growth (%) and Market Share (%)

13.2.1. Research & Development

13.2.2. Therapeutic development

13.2.3. Diagnostics

13.3. End-User Analysis (2012 – 2016) and Forecast (2017 – 2023) by Revenue (USD Mn), Y-o-Y Growth (%) and Market Share (%)

13.3.1. Pharmaceutical companies

13.3.2. Biopharmaceutical companies

13.3.3. Research and academic institutes

13.3.4. Others

13.4. Country Analysis (2012 – 2016) and Forecast (2017 – 2023) by Revenue (USD Mn), Y-o-Y Growth (%), and Market Share (%)

13.4.1. Gulf Cooperation Council (GCC) Countries

13.4.2. Israel

13.4.3. South Africa

13.4.4. Rest of MEA

13.5. MEA Aptamers Market - Opportunity Analysis Index, By Aptamer Type, By Application, By End-User, and Country, 2017 – 2023

13.6. MEA Aptamers Market Dynamics – Trends

14. COMPETITION LANDSCAPE

14.1. Strategic Dashboard of Top Market Players

14.2. Company Profiles (Introduction, Financial Analysis, Disease Type & Service Offerings, Key Developments, Strategies, and SWOT Analysis)

14.2.1. NeoVentures Biotechnology, Inc. (Canada)

14.2.2. Aptagen, LLC (U.S.)

14.2.3. Aptamer Solutions Ltd. (U.K.)

14.2.4. SomaLogic, Inc. (U.S.)

14.2.5. AM Biotechnologies, LLC (U.S.)

14.2.6. TriLink BioTechnologies, Inc. (U.S.)

14.2.7. Vivonics, Inc. (U.S.)

14.2.8. Apta Targets (Spain)

15. RESEARCH METHODOLOGY

16. KEY ASSUMPTIONS AND ACRONYMS

I would like to order

Product name: Aptamers Market, 2012 to 2023

Product link: <https://marketpublishers.com/r/ADAED6271B2EN.html>

Price: US\$ 4,400.00 (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/ADAED6271B2EN.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