

Next Generation Sequencing (NGS) Market, Global Forecast by End User, Type of Test, Disease, Informatics, Reimbursement, Company Analysis, Platform, Consumable

<https://marketpublishers.com/r/N806A49E606EN.html>

Date: April 2019

Pages: 0

Price: US\$ 2,295.00 (Single User License)

ID: N806A49E606EN

Abstracts

Next Generation Sequencing (NGS) is a recent technology in which billions of DNA strands can be sequenced through massive parallel sequencing. The Next-Generation Sequencing has revolutionized the biological study, with its ultra-high throughput, speed and scalability; it has enabled professionals to perform a wide variety of applications and study biological systems at a level which have never been possible before. The NGS technology is also referred as High Throughput Sequencing. This technique minimizes the necessity for fragment-cloning methods used in Sanger sequencing of genomes. The NGS offers rapid speed, low cost, high accuracy, and accurate result even with the low sample input. The use of NGS in clinical diagnostic is one of the major factors for future growth of NGS. Next Generation Sequencing Market is expected to surpass US\$ 30 Billion by the end of year 2025 with double digit CAGR during 2019-2025.

Next Generation Sequencing has the possibility to accelerate the early finding of the ailments and the recognition of pharmacogenetics markers to customize its treatments. Today, in the field of medical science, a lot of various technological advancements are going at a rapid pace and that has led to the development of a specific medicine. As a result, the development of custom made medicine has opened an enormous opportunities for the application of next generation sequencing, which could help NGS market to grow significantly over the forecast period.

In addition; some of the major factors responsible for the growth of Next Generation Sequencing are increasing NGS application in biological study due to its efficient

advantage over traditional technologies and growing demand from the drug discovery industry. Additionally, ethical concerns associated with the whole-genome sequencing along with the lack of awareness among people are some of the factors which are expected to restrain the market growth during the forecast period.

Renub Research report titled "Next Generation Sequencing Market, Global NGS Forecast by End User (Academic Research, Healthcare, Biotech / Pharma, Government, Others) Type of Test (Targeted Re-sequencing (TPS/WES), RNA-Sequencing, Whole Genome Sequencing, ChIP-Sequencing, De Novo Sequencing, Methyl-Sequencing) Disease (Reproductive Health, Rare Disease Diagnostics, Oncology (Cancer), Metabolic Immune (Diagnostic), Cardiovascular, Others) Informatics (NGS Informatics Services, Primary and Secondary Data Analysis Tools, Storage, Computing, Biological Interpretation and Reporting Tools, LIMS Laboratory Information Management System), Reimbursement, Company Analysis (Illumina, Thermo Fisher Scientific, Pacific Biosciences, Oxford Nanopore Technologies, Roche), Platform, Consumable" provides a complete analysis of global Next Generation Sequencing (NGS) Market.

Oncology Test Market is largest among Clinical Next Generation Sequencing Market

In this report, we have defined next generation sequencing test market by clinical application. NGS test market is categorized into 6 parts; NGS Test Market by Reproductive Health, NGS Test Market by Rare Disease, NGS Test Market by Oncology, NGS Test Market by Metabolic, NGS Test Market by Cardiovascular and Others NGS Test Market.

Target Re-Sequencing and Whole Exome sequencing is dominating the Clinical Next Generation Sequencing Market

In this report, we have done complete assessment of different next generation sequencing technique. Here, we have categorized clinical next generation sequencing market by type of test into six parts; Targeted Re-sequencing (TPS/WES), Transcriptome (RNA- Sequencing), Whole Genome Sequencing, ChIP- Sequencing, De Novo Sequencing (Novel Organisms) and Methyl-Sequencing.

Next Generation Sequencing Market Trends by Platform

There are several platforms designed for next generation sequencing for the period of time by top key players. In this report, we have shown the next generation sequencing

market by platform.

Next Generation Sequencing Market Insight by Consumables

In this report, we have done comprehensive analysis on NGS market by consumables. There are various kinds of consumable used in next generation sequencing like sample, library preparation reagents, kits, automation devices etc.

Next Generation Sequencing Informatics Market

NGS Informatics is one of the key growth factors that propel overall NGS market to expand at rapid pace. In this report, next generation sequencing informatics market is divided into 6 parts; NGS Informatics Services, Primary and Secondary Data Analysis Tools, Storage, Computing, Biological Interpretation and Reporting Tools and Laboratory Information Management System.

Company Analysis

All the companies has been analyzed from following points Overview, Recent Developments & Strategy

Illumina

Thermo Fisher Scientific

Pacific Biosciences

Oxford Nanopore Technologies

Roche

Contents

1. INTRODUCTION

2. RESEARCH METHODOLOGY

3. EXECUTIVE SUMMARY

4. MARKET DYNAMICS

4.1 Growth Driver

4.1.1 Rapid Adoption of NGS in Clinical Application

4.1.2 Advancement in Next Generation Sequencing Platforms

4.1.3 Numerous Growth Factors for Next Generation Sequencing

4.2 Challenges

5. GLOBAL NEXT GENERATION SEQUENCING (NGS) MARKET

6. MARKET SHARE – GLOBAL NEXT GENERATION SEQUENCING (NGS)

6.1 By End-User

6.2 By Type of Test

6.3 By Disease

6.4 By NGS Informatics Type

7. END-USER – GLOBAL NEXT GENERATION SEQUENCING MARKET

7.1 Academic Research

7.2 Healthcare

7.3 Biotech/Pharma

7.4 Government

7.5 Others

8. TYPE OF TEST – GLOBAL CLINICAL NEXT GENERATION SEQUENCING MARKET

8.1 Targeted Re-sequencing (TPS/WES)

8.2 RNA-Sequencing

8.3 Whole Genome Sequencing

- 8.4 ChIP-Sequencing
- 8.5 De Novo Sequencing
- 8.6 Methyl-Sequencing

9. DISEASE – GLOBAL NEXT GENERATION SEQUENCING TEST MARKET

- 9.1 Reproductive Health
- 9.2 Rare Disease Diagnostics
- 9.3 Oncology (Cancer)
- 9.4 Metabolic Immune (Diagnostic)
- 9.5 Cardiovascular
- 9.6 Others

10. PLATFORM – GLOBAL NEXT GENERATION SEQUENCING MARKET

11. CONSUMABLE – GLOBAL NEXT GENERATION SEQUENCING MARKET

12. INFORMATICS – GLOBAL NEXT GENERATION SEQUENCING MARKET

- 12.1 NGS Informatics Services
- 12.2 Primary and Secondary Data Analysis Tools
- 12.3 Storage
- 12.4 Computing
- 12.5 Biological Interpretation and Reporting Tools
- 12.6 LIMS (Laboratory Information Management System)

13. REIMBURSEMENT

14. COMPANY ANALYSIS

- 14.1 Illumina
 - 14.1.1 Overview
 - 14.1.2 Recent Development and Strategy
- 14.2 Thermo Fisher Scientific
 - 14.2.1 Overview
 - 14.2.2 Recent Development and Strategy
- 14.3 Pacific Biosciences
 - 14.3.1 Overview
 - 14.3.2 Recent Development and Strategy

14.4 Oxford Nanopore Technologies

14.4.1 Overview

14.4.2 Recent Development and Strategy

14.5 Roche

14.5.1 Overview

14.5.2 Recent Development and Strategy

List Of Figures

LIST OF FIGURES:

Figure-01: Global – Next Generation Sequencing (NGS) Market (Million US\$), 2018 & 2025

Figure-02: Global – NGS Test Market by Clinical Application Top Two Rapid Growing by Application

Figure-03: Global Next Generation Sequencing (NGS) Market (Million US\$), 2015 – 2018

Figure-04: Forecast for Global Next Generation Sequencing (NGS) Market (Million US\$), 2019 – 2025

Figure-05: Global : NGS Market Share by End-User (%) 2015 - 2018

Figure-06: Global : Forecast for Next Generation Sequencing (NGS) Market Share by End-User (%) 2019 - 2025

Figure-07: Global : Clinical Next Generation Sequencing Market Share by Type of Test (%) 2015 - 2018

Figure-08: Global : Forecast for Clinical Next Generation Sequencing Market Share by Type of Test (%) 2019 - 2025

Figure-09: Global : Next Generation Sequencing Test Market Share by Clinical Application (%) 2015 - 2018

Figure-10: Global : Forecast for Next Generation Sequencing Test Market Share by Clinical Application (%) 2019 - 2025

Figure-11: Global : NGS Informatics Market Share by Type (%) 2015 - 2018

Figure-12: Global : Forecast for NGS Informatics Market Share by Type (%) 2019 - 2025

Figure-13: Global Next Generation Sequencing (NGS) Market by Academic Research (Million US\$), 2015 – 2018

Figure-14: Forecast for Global Next Generation Sequencing (NGS) Market by Academic Research (Million US\$), 2019 – 2025

Figure-15: Global Next Generation Sequencing (NGS) Market by Healthcare (Million US\$), 2015 – 2018

Figure-16: Forecast for Global Next Generation Sequencing (NGS) Market by Healthcare (Million US\$), 2019 – 2025

Figure-17: Global Next Generation Sequencing (NGS) Market by Biotech/Pharma (Million US\$), 2015 – 2018

Figure-18: Forecast for Global Next Generation Sequencing (NGS) Market by Biotech/Pharma (Million US\$), 2019 – 2025

Figure-19: Global Next Generation Sequencing (NGS) Market by Government (Million

US\$), 2015 – 2018

Figure-20: Forecast for Global Next Generation Sequencing (NGS) Market by Government (Million US\$), 2019 – 2025

Figure-21: Global Next Generation Sequencing (NGS) Market by Others (Million US\$), 2015 – 2018

Figure-22: Forecast for Global Next Generation Sequencing (NGS) Market by Others (Million US\$), 2019 – 2025

Figure-23: Global Clinical Next Generation Sequencing Market by Targeted Re-sequencing (Million US\$), 2015 – 2018

Figure-24: Forecast for Global Clinical Next Generation Sequencing Market by Targeted Re-sequencing (Million US\$), 2019 – 2025

Figure-25: Global Clinical Next Generation Sequencing Market by RNA-Sequencing (Million US\$), 2015 – 2018

Figure-26: Forecast for Global Clinical Next Generation Sequencing Market by RNA-Sequencing (Million US\$), 2019 – 2025

Figure-27: Global Clinical Next Generation Sequencing Market by Whole Genome Sequencing (Million US\$), 2015 – 2018

Figure-28: Forecast for Global Clinical Next Generation Sequencing Market by Whole Genome Sequencing (Million US\$), 2019 – 2025

Figure-29: Global Clinical Next Generation Sequencing Market by ChIP-Sequencing (Million US\$), 2015 – 2018

Figure-30: Forecast for Global Clinical Next Generation Sequencing Market by ChIP-Sequencing (Million US\$), 2019 – 2025

Figure-31: Global Clinical Next Generation Sequencing Market by De Novo Sequencing (Million US\$), 2015 – 2018

Figure-32: Forecast for Global Clinical Next Generation Sequencing Market by De Novo Sequencing (Million US\$), 2019 – 2025

Figure-33: Global Clinical Next Generation Sequencing Market by Methyl-Sequencing (Million US\$), 2015 – 2018

Figure-34: Forecast for Global Clinical Next Generation Sequencing Market by Methyl-Sequencing (Million US\$), 2019 – 2025

Figure-35: NGS Test Market by Reproductive Health (Million US\$), 2015 – 2018

Figure-36: Forecast for NGS Test Market by Reproductive Health (Million US\$), 2019 – 2025

Figure-37: NGS Test Market (Rare Disease Diagnostics) (Million US\$), 2015 – 2018

Figure-38: Forecast for NGS Test Market (Rare Disease Diagnostics) (Million US\$), 2019 – 2025

Figure-39: The Oncology NGS Test Market (Million US\$), 2015 – 2018

Figure-40: Forecast for The Oncology NGS Test Market (Million US\$), 2019 – 2025

Figure-41: NGS Test Market by Metabolic Immune (Diagnostic) (Million US\$), 2015 – 2018

Figure-42: Forecast for USA Dental Market (Spending) (Billion US\$) for Titanium, 2019 – 2025

Figure-43: NGS Test Market by Cardiovascular (Million US\$), 2015 – 2018

Figure-44: Forecast for NGS Test Market by Cardiovascular (Million US\$), 2019 – 2025

Figure-45: Others NGS Test Market (Million US\$), 2015 – 2018

Figure-46: Forecast for Others NGS Test Market (Million US\$), 2019 – 2025

Figure-47: Global Next Generation Sequencing Market by Platform (Million US\$), 2015 – 2018

Figure-48: Forecast for Global Next Generation Sequencing Market by Platform (Million US\$), 2019 – 2025

Figure-49: Global Next Generation Sequencing Market by Consumable (Million US\$), 2015 – 2018

Figure-50: Forecast for Global Next Generation Sequencing Market by Consumable (Million US\$), 2019 – 2025

Figure-51: NGS Informatics Services (Million US\$), 2015 – 2018

Figure-52: Forecast for NGS Informatics Services (Million US\$), 2019 – 2025

Figure-53: Global NGS Informatics Market by Primary and Secondary Data Analysis Tools (Million US\$), 2015 – 2018

Figure-54: Forecast for Global NGS Informatics Market by Primary and Secondary Data Analysis Tools (Million US\$), 2019 – 2025

Figure-55: Global NGS Informatics Market by Storage (Million US\$), 2015 – 2018

Figure-56: Forecast for Global NGS Informatics Market by Storage (Million US\$), 2019 – 2025

Figure-57: Global NGS Informatics Market by Computing (Million US\$), 2015 – 2018

Figure-58: Forecast for Global NGS Informatics Market by Computing (Million US\$), 2019 – 2025

Figure-59: Global NGS Informatics Market by Biological Interpretation and Reporting Tools (Million US\$), 2015 – 2018

Figure-60: Forecast for Global NGS Informatics Market by Biological Interpretation and Reporting Tools (Million US\$), 2019 – 2025

Figure-61: Global NGS Informatics Market by LIMS (Laboratory Information Management System) (Million US\$), 2015 – 2018

Figure-62: Forecast for Global NGS Informatics Market by LIMS (Laboratory Information Management System) (Million US\$), 2019 – 2025

I would like to order

Product name: Next Generation Sequencing (NGS) Market, Global Forecast by End User, Type of Test, Disease, Informatics, Reimbursement, Company Analysis, Platform, Consumable

Product link: <https://marketpublishers.com/r/N806A49E606EN.html>

Price: US\$ 2,295.00 (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/N806A49E606EN.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

