

Nanopore Technologies Market Report by Product (Instruments, Consumables), Application (DNA Sequencing, RNA Sequencing, and Others), End User (Hospitals and Clinics, Research Institutes, and Others), and Region 2024-2032

<https://marketpublishers.com/r/N5A9AA1B439AEN.html>

Date: September 2024

Pages: 147

Price: US\$ 3,509.00 (Single User License)

ID: N5A9AA1B439AEN

Abstracts

The global nanopore technologies market size reached US\$ 276.4 Million in 2023. Looking forward, IMARC Group expects the market to reach US\$ 753.6 Million by 2032, exhibiting a growth rate (CAGR) of 11.4% during 2024-2032.

Nanopore technology refers to the next-generation molecule sequencing of single-molecule deoxyribonucleic acid (DNA) without the need for polymerase chain reaction (PCR) amplification and chemical labeling of the sample. It offers a relatively high throughput and low-cost genotyping, high mobility for testing, rapid processing of samples in real-time, and label-free, ultralong reads. It is used as a diagnostic tool to provide a fast analysis, eliminate cumbersome amplification and conversion steps, and detect target molecules at very low concentrations and screen panels of biomarkers or genes. Nowadays, the read quality of nanopore technology has improved significantly on account of the introduction of advanced nanopore proteins and chemistries.

Nanopore Technologies Market Trends:

The outbreak of the coronavirus disease (COVID-19), in confluence with the urgent need to develop a potential treatment, represents one of the key factors driving the need for nanopore technologies worldwide. Researchers are extensively relying on these technologies to generate data, ranging from initial characterization of the virus genome to the rapid identification of variants, essential to combating the spread of the pandemic. Apart from this, the increasing prevalence of cancer among a significant part

of the population due to the rising number of individuals who smoke, drink, and have obesity and chronic inflammation is contributing to the market growth. Nanopore technologies are used in oncology settings for facilitating cancer diagnosis and treatment through the detection and accurate quantification of microRNA. In addition, leading market players are introducing a new generation of sensing technology that uses nanopores embedded in high-tech electronics to perform precise molecular analyses. This technology is gaining widespread adoption in applied settings, such as clinical diagnostics, epidemiology, food safety, agriculture, and environmental science. Such innovations are projected to influence the market positively.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global nanopore technologies market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on product, application and end user.

Breakup by Product:

Instruments

Portable

Benchtop

Consumables

Breakup by Application:

DNA Sequencing

RNA Sequencing

Others

Breakup by End User:

Hospitals and Clinics

Research Institutes

Others

Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Agilent Technologies Inc., Cyclomics BV, Electronic Biosciences Inc., Inanobio Inc., Nabsys Inc., Ontera Inc., Oxford Nanopore Technologies Limited, Pacific Biosciences of California Inc., Quantapore Inc., Roche Holding AG and Tracxn Technologies Limited.

Key Questions Answered in This Report

1. How big is the global nanopore technologies market?
2. What is the expected growth rate of the global nanopore technologies market during 2024-2032?
3. What are the key factors driving the global nanopore technologies market?
4. What has been the impact of COVID-19 on the global nanopore technologies market?

5. What is the breakup of the global nanopore technologies market based on the product?
6. What is the breakup of the global nanopore technologies market based on the application?
7. What is the breakup of the global nanopore technologies market based on the end user?
8. What are the key regions in the global nanopore technologies market?
9. Who are the key players/companies in the global nanopore technologies market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL NANOPORE TECHNOLOGIES MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY PRODUCT

- 6.1 Instruments
 - 6.1.1 Market Trends
 - 6.1.2 Key Segments
 - 6.1.2.1 Portable
 - 6.1.2.2 Benchtop
 - 6.1.3 Market Forecast
- 6.2 Consumables

6.2.1 Market Trends

6.2.2 Market Forecast

7 MARKET BREAKUP BY APPLICATION

7.1 DNA Sequencing

7.1.1 Market Trends

7.1.2 Market Forecast

7.2 RNA Sequencing

7.2.1 Market Trends

7.2.2 Market Forecast

7.3 Others

7.3.1 Market Trends

7.3.2 Market Forecast

8 MARKET BREAKUP BY END USER

8.1 Hospitals and Clinics

8.1.1 Market Trends

8.1.2 Market Forecast

8.2 Research Institutes

8.2.1 Market Trends

8.2.2 Market Forecast

8.3 Others

8.3.1 Market Trends

8.3.2 Market Forecast

9 MARKET BREAKUP BY REGION

9.1 North America

9.1.1 United States

9.1.1.1 Market Trends

9.1.1.2 Market Forecast

9.1.2 Canada

9.1.2.1 Market Trends

9.1.2.2 Market Forecast

9.2 Asia-Pacific

9.2.1 China

9.2.1.1 Market Trends

- 9.2.1.2 Market Forecast
- 9.2.2 Japan
 - 9.2.2.1 Market Trends
 - 9.2.2.2 Market Forecast
- 9.2.3 India
 - 9.2.3.1 Market Trends
 - 9.2.3.2 Market Forecast
- 9.2.4 South Korea
 - 9.2.4.1 Market Trends
 - 9.2.4.2 Market Forecast
- 9.2.5 Australia
 - 9.2.5.1 Market Trends
 - 9.2.5.2 Market Forecast
- 9.2.6 Indonesia
 - 9.2.6.1 Market Trends
 - 9.2.6.2 Market Forecast
- 9.2.7 Others
 - 9.2.7.1 Market Trends
 - 9.2.7.2 Market Forecast
- 9.3 Europe
 - 9.3.1 Germany
 - 9.3.1.1 Market Trends
 - 9.3.1.2 Market Forecast
 - 9.3.2 France
 - 9.3.2.1 Market Trends
 - 9.3.2.2 Market Forecast
 - 9.3.3 United Kingdom
 - 9.3.3.1 Market Trends
 - 9.3.3.2 Market Forecast
 - 9.3.4 Italy
 - 9.3.4.1 Market Trends
 - 9.3.4.2 Market Forecast
 - 9.3.5 Spain
 - 9.3.5.1 Market Trends
 - 9.3.5.2 Market Forecast
 - 9.3.6 Russia
 - 9.3.6.1 Market Trends
 - 9.3.6.2 Market Forecast
 - 9.3.7 Others

9.3.7.1 Market Trends

9.3.7.2 Market Forecast

9.4 Latin America

9.4.1 Brazil

9.4.1.1 Market Trends

9.4.1.2 Market Forecast

9.4.2 Mexico

9.4.2.1 Market Trends

9.4.2.2 Market Forecast

9.4.3 Others

9.4.3.1 Market Trends

9.4.3.2 Market Forecast

9.5 Middle East and Africa

9.5.1 Market Trends

9.5.2 Market Breakup by Country

9.5.3 Market Forecast

10 SWOT ANALYSIS

10.1 Overview

10.2 Strengths

10.3 Weaknesses

10.4 Opportunities

10.5 Threats

11 VALUE CHAIN ANALYSIS

12 PORTERS FIVE FORCES ANALYSIS

12.1 Overview

12.2 Bargaining Power of Buyers

12.3 Bargaining Power of Suppliers

12.4 Degree of Competition

12.5 Threat of New Entrants

12.6 Threat of Substitutes

13 PRICE ANALYSIS

14 COMPETITIVE LANDSCAPE

- 14.1 Market Structure
- 14.2 Key Players
- 14.3 Profiles of Key Players
 - 14.3.1 Agilent Technologies Inc.
 - 14.3.1.1 Company Overview
 - 14.3.1.2 Product Portfolio
 - 14.3.1.3 Financials
 - 14.3.1.4 SWOT Analysis
 - 14.3.2 Cyclomics BV
 - 14.3.2.1 Company Overview
 - 14.3.2.2 Product Portfolio
 - 14.3.3 Electronic Biosciences Inc.
 - 14.3.3.1 Company Overview
 - 14.3.3.2 Product Portfolio
 - 14.3.4 Inanobio Inc.
 - 14.3.4.1 Company Overview
 - 14.3.4.2 Product Portfolio
 - 14.3.5 Nabsys Inc.
 - 14.3.5.1 Company Overview
 - 14.3.5.2 Product Portfolio
 - 14.3.6 Ontera Inc.
 - 14.3.6.1 Company Overview
 - 14.3.6.2 Product Portfolio
 - 14.3.7 Oxford Nanopore Technologies Limited
 - 14.3.7.1 Company Overview
 - 14.3.7.2 Product Portfolio
 - 14.3.7.3 SWOT Analysis
 - 14.3.8 Pacific Biosciences of California Inc.
 - 14.3.8.1 Company Overview
 - 14.3.8.2 Product Portfolio
 - 14.3.8.3 Financials
 - 14.3.9 Quantapore Inc.
 - 14.3.9.1 Company Overview
 - 14.3.9.2 Product Portfolio
 - 14.3.10 Roche Holding AG
 - 14.3.10.1 Company Overview
 - 14.3.10.2 Product Portfolio
 - 14.3.10.3 Financials

14.3.11 Tracxn Technologies Limited

14.3.11.1 Company Overview

14.3.11.2 Product Portfolio

List Of Tables

LIST OF TABLES

Table 1: Global: Nanopore Technologies Market: Key Industry Highlights, 2023 and 2032

Table 2: Global: Nanopore Technologies Market Forecast: Breakup by Product (in Million US\$), 2024-2032

Table 3: Global: Nanopore Technologies Market Forecast: Breakup by Application (in Million US\$), 2024-2032

Table 4: Global: Nanopore Technologies Market Forecast: Breakup by End User (in Million US\$), 2024-2032

Table 5: Global: Nanopore Technologies Market Forecast: Breakup by Region (in Million US\$), 2024-2032

Table 6: Global: Nanopore Technologies Market: Competitive Structure

Table 7: Global: Nanopore Technologies Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Nanopore Technologies Market: Major Drivers and Challenges

Figure 2: Global: Nanopore Technologies Market: Sales Value (in Million US\$), 2018-2023

Figure 3: Global: Nanopore Technologies Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 4: Global: Nanopore Technologies Market: Breakup by Product (in %), 2023

Figure 5: Global: Nanopore Technologies Market: Breakup by Application (in %), 2023

Figure 6: Global: Nanopore Technologies Market: Breakup by End User (in %), 2023

Figure 7: Global: Nanopore Technologies Market: Breakup by Region (in %), 2023

Figure 8: Global: Nanopore Technologies (Instruments) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 9: Global: Nanopore Technologies (Instruments) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 10: Global: Nanopore Technologies (Consumables) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 11: Global: Nanopore Technologies (Consumables) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 12: Global: Nanopore Technologies (DNA Sequencing) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 13: Global: Nanopore Technologies (DNA Sequencing) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 14: Global: Nanopore Technologies (RNA Sequencing) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 15: Global: Nanopore Technologies (RNA Sequencing) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 16: Global: Nanopore Technologies (Other Applications) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 17: Global: Nanopore Technologies (Other Applications) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 18: Global: Nanopore Technologies (Hospitals and Clinics) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 19: Global: Nanopore Technologies (Hospitals and Clinics) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 20: Global: Nanopore Technologies (Research Institutes) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 21: Global: Nanopore Technologies (Research Institutes) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 22: Global: Nanopore Technologies (Other End Users) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 23: Global: Nanopore Technologies (Other End Users) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 24: North America: Nanopore Technologies Market: Sales Value (in Million US\$), 2018 & 2023

Figure 25: North America: Nanopore Technologies Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 26: United States: Nanopore Technologies Market: Sales Value (in Million US\$), 2018 & 2023

Figure 27: United States: Nanopore Technologies Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 28: Canada: Nanopore Technologies Market: Sales Value (in Million US\$), 2018 & 2023

Figure 29: Canada: Nanopore Technologies Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 30: Asia-Pacific: Nanopore Technologies Market: Sales Value (in Million US\$), 2018 & 2023

Figure 31: Asia-Pacific: Nanopore Technologies Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 32: China: Nanopore Technologies Market: Sales Value (in Million US\$), 2018 & 2023

Figure 33: China: Nanopore Technologies Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 34: Japan: Nanopore Technologies Market: Sales Value (in Million US\$), 2018 & 2023

Figure 35: Japan: Nanopore Technologies Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 36: India: Nanopore Technologies Market: Sales Value (in Million US\$), 2018 & 2023

Figure 37: India: Nanopore Technologies Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 38: South Korea: Nanopore Technologies Market: Sales Value (in Million US\$), 2018 & 2023

Figure 39: South Korea: Nanopore Technologies Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 40: Australia: Nanopore Technologies Market: Sales Value (in Million US\$), 2018

& 2023

Figure 41: Australia: Nanopore Technologies Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 42: Indonesia: Nanopore Technologies Market: Sales Value (in Million US\$), 2018 & 2023

Figure 43: Indonesia: Nanopore Technologies Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 44: Others: Nanopore Technologies Market: Sales Value (in Million US\$), 2018 & 2023

Figure 45: Others: Nanopore Technologies Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 46: Europe: Nanopore Technologies Market: Sales Value (in Million US\$), 2018 & 2023

Figure 47: Europe: Nanopore Technologies Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 48: Germany: Nanopore Technologies Market: Sales Value (in Million US\$), 2018 & 2023

Figure 49: Germany: Nanopore Technologies Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 50: France: Nanopore Technologies Market: Sales Value (in Million US\$), 2018 & 2023

Figure 51: France: Nanopore Technologies Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 52: United Kingdom: Nanopore Technologies Market: Sales Value (in Million US\$), 2018 & 2023

Figure 53: United Kingdom: Nanopore Technologies Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 54: Italy: Nanopore Technologies Market: Sales Value (in Million US\$), 2018 & 2023

Figure 55: Italy: Nanopore Technologies Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 56: Spain: Nanopore Technologies Market: Sales Value (in Million US\$), 2018 & 2023

Figure 57: Spain: Nanopore Technologies Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 58: Russia: Nanopore Technologies Market: Sales Value (in Million US\$), 2018 & 2023

Figure 59: Russia: Nanopore Technologies Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 60: Others: Nanopore Technologies Market: Sales Value (in Million US\$), 2018 & 2023

Figure 61: Others: Nanopore Technologies Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 62: Latin America: Nanopore Technologies Market: Sales Value (in Million US\$), 2018 & 2023

Figure 63: Latin America: Nanopore Technologies Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 64: Brazil: Nanopore Technologies Market: Sales Value (in Million US\$), 2018 & 2023

Figure 65: Brazil: Nanopore Technologies Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 66: Mexico: Nanopore Technologies Market: Sales Value (in Million US\$), 2018 & 2023

Figure 67: Mexico: Nanopore Technologies Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 68: Others: Nanopore Technologies Market: Sales Value (in Million US\$), 2018 & 2023

Figure 69: Others: Nanopore Technologies Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 70: Middle East and Africa: Nanopore Technologies Market: Sales Value (in Million US\$), 2018 & 2023

Figure 71: Middle East and Africa: Nanopore Technologies Market: Breakup by Country (in %), 2023

Figure 72: Middle East and Africa: Nanopore Technologies Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 73: Global: Nanopore Technologies Industry: SWOT Analysis

Figure 74: Global: Nanopore Technologies Industry: Value Chain Analysis

Figure 75: Global: Nanopore Technologies Industry: Porter's Five Forces Analysis

I would like to order

Product name: Nanopore Technologies Market Report by Product (Instruments, Consumables), Application (DNA Sequencing, RNA Sequencing, and Others), End User (Hospitals and Clinics, Research Institutes, and Others), and Region 2024-2032

Product link: <https://marketpublishers.com/r/N5A9AA1B439AEN.html>

Price: US\$ 3,509.00 (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/N5A9AA1B439AEN.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