

## **North America Osmometers Market Report and Forecast 2024-2032**

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### **Report description:**

North America Osmometers Market Report and Forecast 2024-2032

North America Osmometers Market Outlook

The global osmometers market size was valued at USD 117.6 million in 2023, with North America holding a significant market share. It is driven by the rising prevalence of chronic diseases and advancement in osmometry technology. The global market is expected to grow at a CAGR of 13.2% during the forecast period of 2024-2032, with the values likely to attain USD 361 million by 2032.

### **Key Takeaways**

- In January 2023, a study published in *Frontiers in Public Health* projected the number of adults (aged 50 years or older) with at least one chronic disease to reach 142.66 million by 2050 in the United States. The rise in chronic disease burden is expected to impact market growth.

- The growing emphasis on the development of automated osmometers is expected to augment North America osmometers market share. In July 2022, Advanced Instruments, LLC, introduced the OsmoPRO MAX Automated Osmometer, a freezing point osmometer designed to deliver higher productivity through automation in clinical laboratories.

- The United States President's 2024 budget proposal revealed a USD 210 billion investment in federal research and development (R&D), with more than USD 100 billion reserved for basic and applied research. The increased government funding is likely to drive higher demand for osmometers in research settings.

### **North America Osmometers Market Analysis**

An osmometer is utilized in clinical laboratories to measure the concentration of particles, also called osmolar concentration. The device can be used for measuring serum osmolality, which can help in finding the cause of certain electrolyte and acid-balance disorders. Serum osmolality is often used as an initial test to diagnose hyponatremia (a condition in which the concentration of sodium in the blood is abnormally low). Besides being useful in the diagnosis and treatment of patients in various clinical

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scenarios, osmometers also find their application in quality control and laboratory safety in pharmaceutical and biotechnology companies. Increased application of osmometers in the healthcare sector along with advancements in osmometry technology is expected to drive North America osmometers market growth.

Osmometers are useful in the diagnosis and monitoring of various chronic diseases. The rise in the prevalence of these conditions is poised to fuel the market demand. In January 2023, a study published in *Frontiers in Public Health* projected the number of adults (aged 50 years or older) with at least one chronic disease to reach 142.66 million by 2050 in the United States. Thus, with the adult population with chronic diseases in the region expected to increase, the demand for osmometers is likely to witness a surge in the forecast period.

In North America, there is a growing emphasis on laboratory automation solutions, including automated osmometers which streamline workflows and offer improved efficiency and accuracy. One of the major North America osmometers market trends is the rising investment in the development and commercialization of such automated devices by the key market players. One such fully automated solution, OsmoPRO MAX Automated Osmometer, which was introduced by Advanced Instruments, LLC (a United States-based medical equipment manufacturer), in July 2022. The freezing point osmometers are designed to deliver higher productivity through automation in clinical laboratories, thereby providing a simplified and efficient osmolality testing workflow. The launch of such technology-advanced osmometers is expected to significantly elevate the market value in the coming years. The rise in funding for research and development activities can facilitate the development of advanced osmometer technologies with improved accuracy, sensitivity, and automation features. Consequently, the North America osmometers market demand is expected to rise in research institutions and laboratories. Further, the United States President's 2024 budget proposal revealed a USD 210 billion investment in federal research and development (R&D), the largest ever investment for federal research and development, with more than USD 100 billion reserved for basic and applied research. The increased government funding is likely to positively influence market dynamics by driving product innovation and higher demand for osmometers in research settings.

North America Osmometers Market Segmentation??

The report offers a detailed analysis of the market based on the following segments:

Market Breakup by Sampling Capacity

- Single Sample
- Multi Sample

Market Breakup by Type

- Freezing Point
- Vapour Pressure
- Membrane
- Others

Market Breakup by Application

- Clinical
- Pharmaceutical and Biotech
- Others

Market Breakup by End User

- Laboratory and Diagnostics Centers
- Healthcare Companies
- Contract Manufacturing Organization
- Food and Feed Industries
- Others

Market Breakup by Countries

- United States of America
- Canada

North America Osmometers Market: Competitor Landscape

The key features of the market report include patent analysis, funding and investment analysis, partnerships, and collaborations

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analysis by the leading key players. The major companies in the market are as follows:

- Nova Biomedical
- ASTORI TECNICA
- KNAUER Wissenschaftliche Gerete GmbH
- Ratiolab
- Labtek Services Ltd.
- Advanced Instruments
- ELITechGroup Inc.
- Precision Systems Inc.
- ARKRAY Inc.

Kindly note that this only represents a partial list of companies, and the complete list has been provided in the report.

#### FAQs

- What is the North America osmometers market forecast outlook for 2024-2032?

The North America osmometers market is expected to be driven by the rising demand for the global osmometer market, which is anticipated to grow at a CAGR of 13.2% during the forecast period of 2024-2032 and is likely to reach a market value of USD 361 million by 2032.

- What are the major factors aiding the North America osmometers market demand?

The growing prevalence of chronic diseases and the rising healthcare expenditure are fuelling the demand for the market.

- What are the major North America osmometers market trends?

One of the significant trends in the market is the launch of technology-advanced osmometers. In July 2022, Advanced Instruments, LLC, introduced the OsmoPRO MAX Automated Osmometer, a freezing point osmometer designed to deliver higher productivity through automation in clinical laboratories.

- What is the market segmentation based on the sampling capacity?

Based on the sampling capacity, the market is segmented into single sample and multi sample.

- What is the market breakup by type?

By type, the market is divided into freezing point, vapour pressure, and membrane, among others.

- What are the major end users of osmometers?

End users of the market are laboratory and diagnostics centers, healthcare companies, contract manufacturing organizations, and food and feed industries, among others.

- What are the applications of the osmometer?

Major applications of osmometers include clinical, pharmaceutical, and biotech, among others.

- What is the market segmentation by countries?

The market segmentation by countries includes the United States of America and Canada.

- Who are the key players involved in the North America osmometers market?

The key players in the market are Nova Biomedical, ASTORI TECNICA, KNAUER Wissenschaftliche Gerete GmbH, Ratiolab, Labtek Services Ltd., Advanced Instruments, ELITechGroup Inc., Precision Systems Inc., and ARKRAY Inc.

#### Meta description

The North America osmometers market is poised for growth, driven by the expansion of the global market, which was valued at USD 117.6 million in 2023 and is projected to grow at a CAGR of 13.2% during the forecast period of 2024-2032.

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\*Additional insights provided are customisable as per client requirements.

\* The coverage of the Market Landscape section depends on the data availability and may cover a minimum of 80% of the total market. The EMR team strives to make this section as comprehensive as possible.

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