

Urea Breath Test Market is Estimated to Witness High Growth Owing to Rising Incidences of Helicobacter pylori Infection

urea breath test market is estimated to be valued at US\$ 115.96 million in 2022 and expected to exhibit a CAGR of 5.4% over the forecast period

BURLINGAME, CALIFORNIA , UNITED STATES, November 21, 2023 /EINPresswire.com/ -- Market Overview:

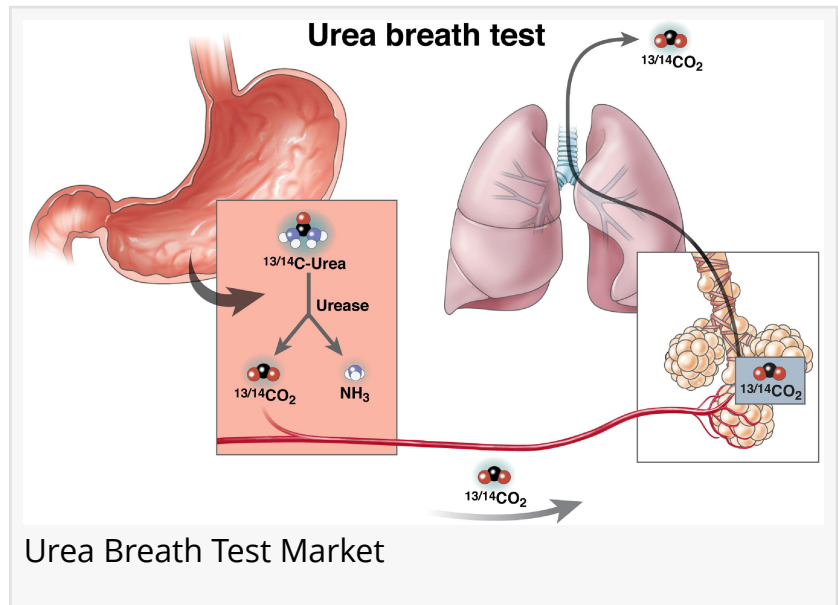
The urea breath test is a non-invasive diagnostic test used to detect the presence of Helicobacter pylori (H. pylori) bacteria in the stomach and duodenum. The test involves consuming a dose of urea mixed with isotopically labeled carbon (^{13}C or ^{14}C) and then analyzing breath samples for the presence of labeled carbon dioxide, which indicates the presence of H. pylori.

Market Dynamics:

The urea breath test market is expected to witness significant growth over the forecast period, owing to the rising incidences of Helicobacter pylori infection across the globe. According to the Centers for Disease Control and Prevention, over 30% of adults in the U.S. are infected with H. pylori. In addition, increasing awareness regarding early diagnosis of H. pylori infection and the availability of low-cost diagnosis are also expected to support the market growth during the forecast period. Furthermore, introduction of innovative and accurate diagnostic technologies for H. pylori infection screening is projected to provide lucrative market opportunities over the coming years.

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Urea Breath Test Market Drivers

Increasing Prevalence of Helicobacter pylori (H. pylori) Infection

H. pylori is one of the most common infections worldwide. It is estimated that about 4.4 billion people, approximately half of the world's population, is infected with H. pylori. According to WHO, H. pylori infection prevalence varies from over 80% in developing countries to below 40% in developed countries. The rate of infection is higher in developing countries due to lower socioeconomic conditions and limited access to clean drinking water. The increasing prevalence of H. pylori infection globally is a major factor driving the demand for urea breath tests which are a standard noninvasive diagnostic tool for detecting active H. pylori infection.

Growing Application of Urea Breath Test in Diagnosing Other Gastrointestinal Disorders

The urea breath test has gained increased acceptance as a diagnostic tool for conditions other than H. pylori infection such as small intestinal bacterial overgrowth, colonic bacterial overgrowth, and gastroesophageal reflux disease. The test helps detect excessive growth of bacteria in the small intestine or colon that are not normally present. It can also help diagnose reflux of stomach contents by measuring bacterial activity. The ability of the urea breath test to diagnose a variety of gastrointestinal conditions in a noninvasive manner is expected to boost its uptake over the forecast period.

List of TOP Players in Market Report are: –

- Kibion AB (Mayoly Spindler)
- Avanos Medical Inc., Quest Diagnostics
- Beijing Richen-Force Science & Technology Co., Ltd.,
- Paladin Labs Inc.
- Beijing Binal Health Bio- Sci & Tech Co., Ltd.,
- AB ANALITICA s.r.l.
- Otsuka Holdings Co., Ltd.,
- Sercon Group
- Campro Scientific GmbH
- Shenzhen Zhonghe Headway Bio-Sci & Tech Co., Ltd.,
- Avisa Diagnostics
- INFAl GmbH
- Meridian Bioscience Inc.
- Metabolic Solutions Inc.
- Laboratory Corporation of America Holdings
- Gulf Coast Scientific Inc.
- FAN GmbH
- Kizlon Medical

Market Detailed Segmentation:

By Test Type:

Point-of-Care Tests (POCT)

Laboratory Based Test

By Product:

Breath Analyzer

UBT-Kits

By Instrument:

Mass Spectrometer

Infrared Spectrometer

Laser Assisted Rationalizer

By End User:

Hospitals

Clinics

Diagnostic Centers

Standalone Labs

Private Lab Networks

Urea Breath Test Market Restrain

High Cost of Testing

The urea breath test involves the use of expensive isotope-labeled urea compounds such as carbon-13 or carbon-14 labeled urea which are used as the substrate. The test also requires sophisticated mass spectrometers or infrared laser spectrometers to measure the exhaled carbon or carbon dioxide after ingestion of the labeled urea substrate. Moreover, the need for specialized technicians to conduct the test and perform measurements add to the overall cost. In developing regions, the high cost of the test limits its widespread adoption, restraining the growth of the urea breath test market.

Urea Breath Test Market Opportunity

Increasing Demand in Developing Countries

A large patient population in developing countries is untreated or undiagnosed for H. pylori infection due to a lack of widespread diagnostic testing and limited healthcare access. This

represents a significant untapped market potential. As the healthcare systems in developing nations expand and diagnostic capabilities improve, the demand for cost-effective and noninvasive diagnostic techniques such as urea breath testing is expected to increase tremendously. Government efforts in providing low-cost healthcare and improving diagnostic infrastructure can boost urea breath testing uptake in developing regions, offering lucrative business opportunities to market players.

Urea Breath Test Market Trends

Technological Advancements Leading to Rapid Testing

There is a growing trend of developing simplified and portable urea breath testing devices that can provide results more rapidly without the need for specialized laboratory equipment. Companies are innovating products utilizing new materials and technologies like nanoparticles, microfluidics, and miniaturized instruments. For example, breath biometric sensors that can detect volatile organic compounds in exhaled breath are being utilized to rapidly diagnose H. pylori infection with portable detectors. Such innovation is expected to boost acceptability and adoption of point-of-care urea breath testing in near future. Novel devices with integrated sample handling and analysis can help address limitations like high cost and complexity of conventional testing methods.

Furthermore, the years considered for the study are as follows:

Historical data - 2016-2021

The base year for estimation - is 2021

Estimated Year - 2023

Forecast period** - 2023 to 2030

This Urea Breath Test Market Research/Analysis Report Contains Answers to your following Questions:

□ What are the current global trends in the Urea Breath Test market, and will the market experience an increase or decrease in demand in the upcoming years?

□ What is the expected demand for various product types within the Urea Breath Test market, and what are the emerging Market applications and trends?

□ What are the projections for the global Urea Breath Test Market in terms of capacity, production, production value, cost, profit, market share, supply, consumption, import, and export?

□ How will strategic developments shape the Market trajectory in the medium to long term?

- What factors contribute to the final price of Urea Breath Test , and what are the raw materials used in its manufacturing?
- What is the market's growth potential, particularly with the increasing adoption of Urea Breath Test in mining?
- What is the current and 2022 value of the global market, and who are the leading companies in this market?
- What recent Market trends can be leveraged to create additional revenue streams?
- What entry strategies, economic impact mitigation measures, and marketing channels should be considered for the Urea Breath Test Market?

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Summarized Extracts from TOC of Market Study

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