

# **Breath Analyzers Market Size, Share & Trends Analysis Report By Technology (Fuel Cell Technology, Semiconductor Sensor, Others), By Application, By Region, And Segment Forecasts, 2022 - 2030**

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## **Abstracts**

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### **Breath Analyzers Market Growth & Trends**

The global breath analyzers market size is anticipated to reach USD 9.4 billion by 2030, according to a new report by Grand View Research, Inc. The market is expected to expand at a lucrative CAGR of 16.5% from 2022 to 2030. Growing demand for breath analyzers from law enforcement agencies and other institutions, as well as initiatives by key companies, are the major factors driving the market growth. Shenzhen Ztsense Hi-Tech Co., Ltd., for instance, is a Chinese company, specializing in the R&D of alcohol testers, such as personal breathalyzers, professional breathalyzers, and face recognition breathalyzers.

The fuel cell technology has been widely used in professional breath analyzers since it offers accuracy, alcohol specificity, and portability. On the other hand, semiconductor sensor technology offers affordable breath alcohol screening devices suitable for private use. Usage of breath analyzers with infrared spectroscopy is currently limited to law enforcement agencies owing to their high cost and large size. Increasing initiatives by market players are contributing to the market growth. In response to COVID-19, Intoximeters introduced TestSafe Mouthpiece for use during a breath alcohol test.

The growing demand for quick, accurate, and easy methods for primary diagnosis of

diseases such as asthma, chronic obstructive pulmonary disease (COPD), and cancer is augmenting the market growth. In addition, the use of breath analyzers to monitor carbon monoxide in exhaled air for smoking cessation is expected to aid market growth during the forecast period.

The market growth may be impeded by factors such as uncertainty over the accuracy of devices, ambiguous laws about installation in offices, and high prices of devices such as infrared spectrometers. Many breath drug detection devices are still in the developmental phase, as detection technology depends on the type of drug. This condition poses some uncertainty over the success of these devices.

### Breath Analyzers Market Report Highlights

The global market for breath analyzers was valued at USD 2.4 billion in 2021 and is expected to expand at a CAGR of 16.5% during the forecast period

By technology, the fuel cell technology segment dominated the market in 2021 owing to numerous product advancements in recent years

The medical application segment is expected to advance at the highest CAGR from 2022 to 2030 due to rapid developments in disease diagnosis

North America is expected to maintain its dominance throughout the forecast period in the market, due to the presence of a large number of major competitors, strict laws for road traffic safety, and a high adoption rate of advanced technologies

Asia Pacific is expected to exhibit a lucrative CAGR during the forecast period owing to untapped market potential and growing awareness regarding commercially available, technologically advanced products

The presence of a large number of local manufacturers in the Asia Pacific offering breath analyzers at very low costs as compared to the developed countries is expected to propel product exports from this region

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