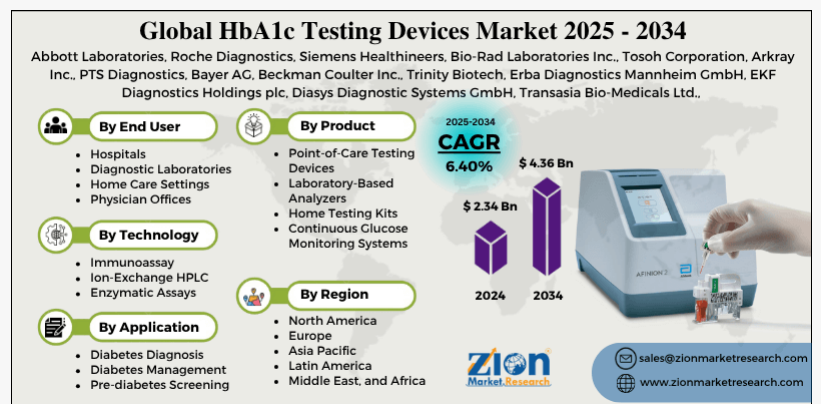


HbA1c Testing Devices Market Size to Reach \$4.36 Billion by 2034, Growing at 6.4% CAGR

The global HbA1c testing devices market was valued at approximately USD 2.34 billion in 2024 and is expected to reach around USD 4.36 billion by 2034

PUNE, MAHARASHTRA, INDIA, August 11, 2025 /EINPresswire.com/ -- □ Global HbA1c Testing Devices Market Research Report (2025–2034)-Market Size, Share, Trends, Growth Drivers, Challenges, Regional Insights, and Forecast



HbA1c Testing Devices Market

1. Executive Summary

The [Global HbA1c Testing Devices Market Size](#) was valued at approximately USD 2.34 billion in

“

The global HbA1c testing devices market was valued at approximately USD 2.34 billion in 2024 and is expected to reach around USD 4.36 billion by 2034, (CAGR) of roughly 6.40% between 2025 and 2034”

Deepak Rupnar

2024 and is projected to reach USD 4.36 billion by 2034, expanding at a CAGR of 6.40% between 2025 and 2034. HbA1c (Glycated Hemoglobin) testing is a critical diagnostic and monitoring tool for diabetes management, reflecting the average blood glucose levels over the past 2–3 months. The market growth is driven by the rising prevalence of diabetes, increasing adoption of point-of-care testing devices, technological advancements, and growing healthcare awareness.

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2. Market Overview

HbA1c testing is a key parameter for diagnosing diabetes and pre-diabetes as well as assessing long-term glycemic control in diabetic patients. With diabetes becoming one of the top global health challenges, the demand for HbA1c testing devices is increasing across hospitals, clinics,

diagnostic laboratories, and home care settings.

Key Insights:

As per the analysis shared by our research analyst, the global HbA1c testing devices market is estimated to grow annually at a CAGR of around 6.40% over the forecast period (2025-2034)

In terms of revenue, the global HbA1c testing devices market size was valued at around USD 2.34 billion in 2024 and is projected to reach USD 4.36 billion by 2034.

The HbA1c testing devices market is projected to grow significantly due to the increasing adoption of point-of-care testing and technological advancements in diagnostic accuracy and speed.

Based on product type, point-of-care testing devices lead the segment and are expected to continue dominating the global market.

Based on the technology, immunoassay is expected to lead the market.

Based on the end user, hospitals are anticipated to command the largest market share.

Based on application, diabetes management is expected to lead the market during the forecast period.

Based on region, North America is projected to lead the global market during the forecast period.

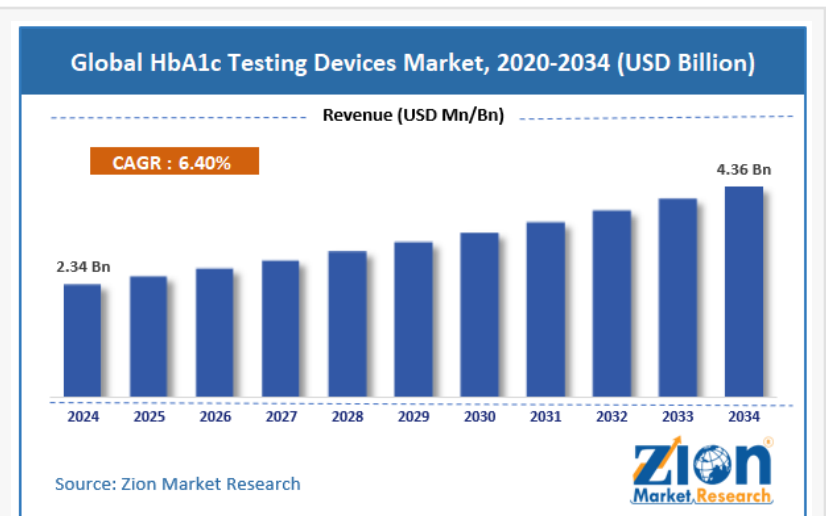
The market is characterized by:

Innovation in testing technologies (lab-based & point-of-care)

Integration with digital health platforms

Growing adoption in emerging economies

Expanding role in preventive health check-ups



HbA1c Testing Devices Market Size



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3. Market Size & Forecast (USD Billion)

Year Market Size

2024- 2.34

2025- 2.48

2026- 2.64

2027- 2.81

2028- 3.00

2029- 3.20

2030- 3.41

2031- 3.64

2032- 3.89

2033- 4.13

2034- 4.36

CAGR (2025–2034): 6.40% □

4. Key Growth Drivers □

Rising Global Diabetes Prevalence

According to the International Diabetes Federation, over 537 million adults were living with diabetes in 2021, projected to reach 643 million by 2030.

This surge directly fuels HbA1c testing demand.

Shift to Preventive Healthcare

More individuals are opting for preventive screenings, where HbA1c is a critical biomarker.

Technological Innovations

Portable, user-friendly point-of-care devices and lab automation are making testing faster and more accurate.

Government Screening Programs

National health campaigns targeting diabetes detection are boosting testing volumes.

5. Challenges & Restraints □□

High cost of advanced HbA1c analyzers in low-income countries.

Lack of awareness in rural regions about diabetes screening.

Reimbursement issues in certain healthcare systems.

Competition from alternative glucose monitoring technologies, like Continuous Glucose Monitoring (CGM).

6. Market Segmentation

By Product Type

Laboratory-based HbA1c Testing Devices

Point-of-Care (POC) HbA1c Devices

By Technology

Ion-Exchange High Performance Liquid Chromatography (HPLC)

Immunoassay

Boronate Affinity Chromatography

Other Emerging Methods

By End User

Hospitals & Clinics

Diagnostic Laboratories

Home Care Settings

7. Regional Analysis □

The market's growth potential varies significantly by geography due to healthcare infrastructure, awareness levels, and diabetes prevalence.

□ North America

2024 Size: USD 0.91 Billion

2034 Projection: USD 1.66 Billion

CAGR: ~6.3%

Key Factors:

High diabetes incidence

Strong insurance coverage

Advanced healthcare infrastructure

Dominance of leading diagnostic companies (Abbott, Bio-Rad, Siemens)

□ Europe

2024 Size: USD 0.65 Billion

2034 Projection: USD 1.18 Billion

CAGR: ~6.1%

Key Factors:

Universal healthcare systems

Aging population

Strong government-backed screening programs

□ Asia-Pacific (APAC)

2024 Size: USD 0.52 Billion

2034 Projection: USD 1.03 Billion

CAGR: ~7.2% (Fastest Growing Region)

Key Factors:

Rising middle-class population
High undiagnosed diabetes rate
Expanding private healthcare sector

□ Latin America

2024 Size: USD 0.16 Billion

2034 Projection: USD 0.30 Billion

CAGR: ~6.4%

Key Factors:

Increasing urbanization & lifestyle changes

Growing access to private diagnostics

□ Middle East & Africa (MEA)

2024 Size: USD 0.10 Billion

2034 Projection: USD 0.19 Billion

CAGR: ~6.5%

Key Factors:

Rising obesity rates

Government focus on chronic disease management

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8. Competitive Landscape □

The global HbA1c testing devices market is led by players like:

Abbott Laboratories

Roche Diagnostics

Siemens Healthineers

Bio-Rad Laboratories Inc.

Tosoh Corporation

Arkray Inc.

PTS Diagnostics

Bayer AG

Beckman Coulter Inc.

Trinity Biotech

Erba Diagnostics Mannheim GmbH

EKF Diagnostics Holdings plc

Diasys Diagnostic Systems GmbH

Transasia Bio-Medicals Ltd.

Mindray Medical International Limited

Danaher Corporation

Thermo Fisher Scientific Inc.
PerkinElmer Inc.
Ortho Clinical Diagnostics
Quidel Corporation

Recent Developments:

Abbott launched a next-gen HbA1c analyzer with improved accuracy and faster turnaround times (2024).

Siemens partnered with a leading telehealth provider to integrate HbA1c testing into remote diabetes monitoring.

9. Future Trends □

AI & Digital Health Integration: AI-powered platforms predicting diabetes risk based on HbA1c and lifestyle data.

Self-Testing Kits: Rise of home-based HbA1c testing with telemedicine support.

Emerging Market Expansion: Focus on affordability and accessibility in developing nations.

10. Conclusion

The HbA1c Testing Devices Market is on a strong growth trajectory, powered by the rising diabetes burden, increasing focus on preventive healthcare, and technological advancements. With innovations in point-of-care testing and integration into digital health ecosystems, the next decade will see broader adoption across both developed and developing markets.

□ Final Outlook:

Base Year (2024): USD 2.34 Billion

Forecast Year (2034): USD 4.36 Billion

CAGR (2025–2034): 6.40%

Growth Opportunities: Digital health integration, emerging markets, self-testing devices

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