

HbA1c Testing Devices Market Outlook 2026-2034: Market Share, and Growth Analysis By Device (Laboratory-based Testing Devices, Point-of-care (POC) Testing Devices), By Technology (Immunoassays, Chromatography, Enzymatic Assays, Boronate Affinity Chromatography, High-Performance Liquid Chromatography, Others), By End-User

<https://marketpublishers.com/r/H8358818BFF3EN.html>

Date: November 2025

Pages: 160

Price: US\$ 3,950.00 (Single User License)

ID: H8358818BFF3EN

Abstracts

The HbA1c Testing Devices Market is valued at USD 2.12 billion in 2025 and is projected to grow at a CAGR of 12.9% to reach USD 6.32 billion by 2034.

HbA1c Testing Devices Market

HbA1c testing devices quantify long-term glycemic control by measuring glycosylated hemoglobin, supporting diabetes diagnosis, therapy titration, and population management. The portfolio spans high-throughput laboratory analyzers (ion-exchange HPLC, boronate affinity, enzymatic/immunoassay, capillary electrophoresis), compact benchtop systems for hospital and reference labs, and CLIA-waived/near-patient point-of-care (POC) analyzers for primary care, endocrinology clinics, pharmacies, and outreach programs. Cartridge-based POC platforms offer fingerstick sampling with rapid turnaround, while lab systems emphasize precision, variant flagging, throughput, and integration with LIS/quality programs. Adoption is propelled by the growing chronic-care burden, shift to team-based primary care, and quality metrics that incentivize regular HbA1c assessment. Workflows are increasingly connected: devices interface with EHRs, registries, pharmacy systems, and remote-care platforms, enabling same-visit treatment adjustments and automated recalls. Product roadmaps focus on method standardization (traceability to IFCC/NGSP), improved handling of hemoglobin variants

and altered red-cell turnover, smaller sample volumes, and automation of calibration/QC. Retail pharmacy and employer screening expand access; home/self-collection kits and telehealth tie-ins are emerging in selected markets. Procurement decisions hinge on analytical performance, total cost per result (consumables, QC, service), usability, connectivity, and compliance artifacts. As continuous glucose monitoring (CGM) grows, HbA1c remains the anchor for diagnosis and longitudinal risk assessment; the two are increasingly used together to reconcile short-term variability with long-term control. Overall, the market is moving from siloed lab testing to a distributed, connected ecosystem that brings HbA1c measurement closer to the point of decision while preserving evidence-grade quality.

HbA1c Testing Devices Market Key Insights

Decentralization with guardrails. Primary care, pharmacy, and community programs adopt POC analyzers for same-visit decisions; success depends on simple workflows, built-in QC, lot tracking, and clear operator training to maintain lab-grade quality.

Methodology mix and standardization. HPLC remains the reference in many labs, while boronate affinity and enzymatic/immunoassay broaden options for throughput and maintenance profiles. Alignment to IFCC/NGSP and robust calibration underpins comparability across sites.

Variant and condition interference. Devices differentiate on detection/flagging of hemoglobin variants and conditions altering red-cell lifespan (anemia, CKD, pregnancy). Algorithms and result comments reduce misclassification and repeat testing.

Connectivity is a buying gate. Native LIS/EHR interfaces, device management, and automated result posting to care registries enable immediate therapy changes, performance reporting, and audit trails - critical for multi-site groups.

Cartridge economics drive TCO. Shelf life, storage conditions, on-board stability, and waste rates materially affect cost per result; easy, error-proof cartridge loading and minimal daily maintenance lift uptime.

QC and accreditation readiness. Platforms with integrated controls, lockouts for overdue QC, proficiency-testing workflows, and documentation for IQCP/ISO 15189 speed validation and sustain compliance.

Pharmacy and retail care expand the funnel. CLIA-waived testing, appointment-light workflows, and bundled counseling improve screening and therapy adherence, especially in underserved areas.

HbA1c + CGM, not either/or. Clinics combine HbA1c with CGM/time-in-range for a fuller picture; software that reconciles discordance (e.g., glycation variability) improves clinician confidence and patient conversations.

Design for diverse settings. Portable footprints, fingerstick micro-samples, minimal warm-up, and tolerance to heat/humidity suit mobile clinics and low-resource sites; multilingual UI and guided prompts reduce operator error.

Service and evidence win renewals. Fast field support, remote diagnostics, and published method comparisons strengthen trust. Clear consumable forecasting and training programs stabilize utilization and outcomes.

HbA1c Testing Devices Market Regional Analysis

North America

Large integrated networks and retail pharmacies scale POC HbA1c for same-visit therapy changes, while labs standardize high-throughput analyzers with strong variant handling and middleware. Procurement emphasizes NGSP/IFCC alignment, CLIA-waived usability, connectivity to EHR/registry dashboards, and clean QC/audit trails. Value-based care programs and pharmacist prescribing pilots accelerate near-patient adoption.

Europe

Public systems prioritize method harmonization and tendered frameworks across primary care and hospital labs. IFCC traceability, CE-marked documentation, and ISO 15189 processes are decisive. Community clinics and pharmacies expand access where permitted; GDPR and data-minimization shape device connectivity. Home self-collection pilots grow, with centralized labs ensuring standardization.

Asia-Pacific

High disease burden and mixed healthcare delivery drive dual demand: robust lab analyzers in urban centers and cost-sensitive POC for outreach. Governments back screening in primary care; multi-analyte platforms (lipids + HbA1c) and distributor training networks gain traction. Local language UI, ambient stability, and simple maintenance are critical for scale.

Middle East & Africa

Urban hospitals adopt automated analyzers with strong QC and connectivity, while mobile clinics and primary care rely on portable POC units tolerant to heat and variable power. National programs focus on early detection and adherence monitoring; sovereign hosting and Arabic interfaces are procurement gates in public sector deployments.

South & Central America

Public-private initiatives expand screening via primary care and employer programs. Tenders favor platforms with reliable consumables supply, bilingual interfaces, and straightforward validation packages. Private labs grow outreach using satellite POC plus centralized confirmation testing; connectivity and remote support mitigate geographic constraints.

HbA1c Testing Devices Market Segmentation

By Device

Laboratory-based Testing Devices

Point-of-care (POC) Testing Devices

By Technology

Immunoassays

Chromatography

Enzymatic Assays

Boronate Affinity Chromatography

High-Performance Liquid Chromatography

Others

By End-User

Hospitals & Clinics

Diagnostic Laboratories

Homecare Settings

Key Market players

Abbott, Roche Diagnostics, Siemens Healthineers, Danaher (Beckman Coulter), Bio-Rad Laboratories, Tosoh, ARKRAY, Trinity Biotech, EKF Diagnostics, i-SENS, PTS Diagnostics, Diazyme Laboratories, Sebia, Menarini Diagnostics, Randox Laboratories

HbA1c Testing Devices Market Analytics

The report employs rigorous tools, including Porter's Five Forces, value chain mapping, and scenario-based modelling, to assess supply–demand dynamics. Cross-sector influences from parent, derived, and substitute markets are evaluated to identify risks and opportunities. Trade and pricing analytics provide an up-to-date view of international flows, including leading exporters, importers, and regional price trends. Macroeconomic indicators, policy frameworks such as carbon pricing and energy security strategies, and evolving consumer behaviour are considered in forecasting scenarios. Recent deal flows, partnerships, and technology innovations are incorporated to assess their impact on future market performance.

HbA1c Testing Devices Market Competitive Intelligence

The competitive landscape is mapped through OG Analysis' proprietary frameworks, profiling leading companies with details on business models, product portfolios, financial performance, and strategic initiatives. Key developments such as mergers &

acquisitions, technology collaborations, investment inflows, and regional expansions are analyzed for their competitive impact. The report also identifies emerging players and innovative startups contributing to market disruption. Regional insights highlight the most promising investment destinations, regulatory landscapes, and evolving partnerships across energy and industrial corridors.

Countries Covered

North America — HbA1c Testing Devices market data and outlook to 2034

United States

Canada

Mexico

Europe — HbA1c Testing Devices market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — HbA1c Testing Devices market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — HbA1c Testing Devices market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — HbA1c Testing Devices market data and outlook to 2034

Brazil

Argentina

Chile

Peru

* We can include data and analysis of additional countries on demand.

Research Methodology

This study combines primary inputs from industry experts across the HbA1c Testing Devices value chain with secondary data from associations, government publications, trade databases, and company disclosures. Proprietary modeling techniques, including data triangulation, statistical correlation, and scenario planning, are applied to deliver reliable market sizing and forecasting.

Key Questions Addressed

What is the current and forecast market size of the HbA1c Testing Devices industry at global, regional, and country levels?

Which types, applications, and technologies present the highest growth potential?

How are supply chains adapting to geopolitical and economic shocks?

What role do policy frameworks, trade flows, and sustainability targets play in shaping demand?

Who are the leading players, and how are their strategies evolving in the face of global uncertainty?

Which regional “hotspots” and customer segments will outpace the market, and what go-to-market and partnership models best support entry and expansion?

Where are the most investable opportunities—across technology roadmaps, sustainability-linked innovation, and M&A—and what is the best segment to invest over the next 3–5 years?

Your Key Takeaways from the HbA1c Testing Devices Market Report

Global HbA1c Testing Devices market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on HbA1c

Testing Devices trade, costs, and supply chains

HbA1c Testing Devices market size, share, and outlook across 5 regions and 27 countries, 2023-2034

HbA1c Testing Devices market size, CAGR, and market share of key products, applications, and end-user verticals, 2023-2034

Short- and long-term HbA1c Testing Devices market trends, drivers, restraints, and opportunities

Porter's Five Forces analysis, technological developments, and HbA1c Testing Devices supply chain analysis

HbA1c Testing Devices trade analysis, HbA1c Testing Devices market price analysis, and HbA1c Testing Devices supply/demand dynamics

Profiles of 5 leading companies—overview, key strategies, financials, and products

Latest HbA1c Testing Devices market news and developments

Additional Support

With the purchase of this report, you will receive

An updated PDF report and an MS Excel data workbook containing all market tables and figures for easy analysis.

7-day post-sale analyst support for clarifications and in-scope supplementary data, ensuring the deliverable aligns precisely with your requirements.

Complimentary report update to incorporate the latest available data and the impact of recent market developments.

* The updated report will be delivered within 3 working days

Contents

1. TABLE OF CONTENTS

- 1.1 List of Tables
- 1.2 List of Figures

2. GLOBAL HbA1c TESTING DEVICES MARKET SUMMARY, 2025

- 2.1 HbA1c Testing Devices Industry Overview
 - 2.1.1 Global HbA1c Testing Devices Market Revenues (In US\$ billion)
- 2.2 HbA1c Testing Devices Market Scope
- 2.3 Research Methodology

3. HbA1c TESTING DEVICES MARKET INSIGHTS, 2024-2034

- 3.1 HbA1c Testing Devices Market Drivers
- 3.2 HbA1c Testing Devices Market Restraints
- 3.3 HbA1c Testing Devices Market Opportunities
- 3.4 HbA1c Testing Devices Market Challenges
- 3.5 Tariff Impact on Global HbA1c Testing Devices Supply Chain Patterns

4. HbA1c TESTING DEVICES MARKET ANALYTICS

- 4.1 HbA1c Testing Devices Market Size and Share, Key Products, 2025 Vs 2034
- 4.2 HbA1c Testing Devices Market Size and Share, Dominant Applications, 2025 Vs 2034
- 4.3 HbA1c Testing Devices Market Size and Share, Leading End Uses, 2025 Vs 2034
- 4.4 HbA1c Testing Devices Market Size and Share, High Growth Countries, 2025 Vs 2034
- 4.5 Five Forces Analysis for Global HbA1c Testing Devices Market
 - 4.5.1 HbA1c Testing Devices Industry Attractiveness Index, 2025
 - 4.5.2 HbA1c Testing Devices Supplier Intelligence
 - 4.5.3 HbA1c Testing Devices Buyer Intelligence
 - 4.5.4 HbA1c Testing Devices Competition Intelligence
 - 4.5.5 HbA1c Testing Devices Product Alternatives and Substitutes Intelligence
 - 4.5.6 HbA1c Testing Devices Market Entry Intelligence

5. GLOBAL HbA1c TESTING DEVICES MARKET STATISTICS – INDUSTRY

REVENUE, MARKET SHARE, GROWTH TRENDS AND FORECAST BY SEGMENTS, TO 2034

5.1 World HbA1c Testing Devices Market Size, Potential and Growth Outlook, 2024-2034 (\$ billion)

5.1 Global HbA1c Testing Devices Sales Outlook and CAGR Growth By Device, 2024-2034 (\$ billion)

5.2 Global HbA1c Testing Devices Sales Outlook and CAGR Growth By Technology, 2024- 2034 (\$ billion)

5.3 Global HbA1c Testing Devices Sales Outlook and CAGR Growth By End-User, 2024- 2034 (\$ billion)

5.4 Global HbA1c Testing Devices Market Sales Outlook and Growth by Region, 2024-2034 (\$ billion)

6. ASIA PACIFIC HBA1C TESTING DEVICES INDUSTRY STATISTICS – MARKET SIZE, SHARE, COMPETITION AND OUTLOOK

6.1 Asia Pacific HbA1c Testing Devices Market Insights, 2025

6.2 Asia Pacific HbA1c Testing Devices Market Revenue Forecast By Device, 2024-2034 (USD billion)

6.3 Asia Pacific HbA1c Testing Devices Market Revenue Forecast By Technology, 2024- 2034 (USD billion)

6.4 Asia Pacific HbA1c Testing Devices Market Revenue Forecast By End-User, 2024-2034 (USD billion)

6.5 Asia Pacific HbA1c Testing Devices Market Revenue Forecast by Country, 2024-2034 (USD billion)

6.5.1 China HbA1c Testing Devices Market Size, Opportunities, Growth 2024- 2034

6.5.2 India HbA1c Testing Devices Market Size, Opportunities, Growth 2024- 2034

6.5.3 Japan HbA1c Testing Devices Market Size, Opportunities, Growth 2024- 2034

6.5.4 Australia HbA1c Testing Devices Market Size, Opportunities, Growth 2024- 2034

7. EUROPE HBA1C TESTING DEVICES MARKET DATA, PENETRATION, AND BUSINESS PROSPECTS TO 2034

7.1 Europe HbA1c Testing Devices Market Key Findings, 2025

7.2 Europe HbA1c Testing Devices Market Size and Percentage Breakdown By Device, 2024- 2034 (USD billion)

7.3 Europe HbA1c Testing Devices Market Size and Percentage Breakdown By Technology, 2024- 2034 (USD billion)

7.4 Europe HbA1c Testing Devices Market Size and Percentage Breakdown By End-User, 2024- 2034 (USD billion)

7.5 Europe HbA1c Testing Devices Market Size and Percentage Breakdown by Country, 2024- 2034 (USD billion)

7.5.1 Germany HbA1c Testing Devices Market Size, Trends, Growth Outlook to 2034

7.5.2 United Kingdom HbA1c Testing Devices Market Size, Trends, Growth Outlook to 2034

7.5.2 France HbA1c Testing Devices Market Size, Trends, Growth Outlook to 2034

7.5.2 Italy HbA1c Testing Devices Market Size, Trends, Growth Outlook to 2034

7.5.2 Spain HbA1c Testing Devices Market Size, Trends, Growth Outlook to 2034

8. NORTH AMERICA HBA1C TESTING DEVICES MARKET SIZE, GROWTH TRENDS, AND FUTURE PROSPECTS TO 2034

8.1 North America Snapshot, 2025

8.2 North America HbA1c Testing Devices Market Analysis and Outlook By Device, 2024- 2034 (\$ billion)

8.3 North America HbA1c Testing Devices Market Analysis and Outlook By Technology, 2024- 2034 (\$ billion)

8.4 North America HbA1c Testing Devices Market Analysis and Outlook By End-User, 2024- 2034 (\$ billion)

8.5 North America HbA1c Testing Devices Market Analysis and Outlook by Country, 2024- 2034 (\$ billion)

8.5.1 United States HbA1c Testing Devices Market Size, Share, Growth Trends and Forecast, 2024- 2034

8.5.1 Canada HbA1c Testing Devices Market Size, Share, Growth Trends and Forecast, 2024- 2034

8.5.1 Mexico HbA1c Testing Devices Market Size, Share, Growth Trends and Forecast, 2024- 2034

9. SOUTH AND CENTRAL AMERICA HBA1C TESTING DEVICES MARKET DRIVERS, CHALLENGES, AND FUTURE PROSPECTS

9.1 Latin America HbA1c Testing Devices Market Data, 2025

9.2 Latin America HbA1c Testing Devices Market Future By Device, 2024- 2034 (\$ billion)

9.3 Latin America HbA1c Testing Devices Market Future By Technology, 2024- 2034 (\$ billion)

9.4 Latin America HbA1c Testing Devices Market Future By End-User, 2024- 2034 (\$ billion)

billion)

9.5 Latin America HbA1c Testing Devices Market Future by Country, 2024- 2034 (\$ billion)

9.5.1 Brazil HbA1c Testing Devices Market Size, Share and Opportunities to 2034

9.5.2 Argentina HbA1c Testing Devices Market Size, Share and Opportunities to 2034

10. MIDDLE EAST AFRICA HBA1C TESTING DEVICES MARKET OUTLOOK AND GROWTH PROSPECTS

10.1 Middle East Africa Overview, 2025

10.2 Middle East Africa HbA1c Testing Devices Market Statistics By Device, 2024- 2034 (USD billion)

10.3 Middle East Africa HbA1c Testing Devices Market Statistics By Technology, 2024-2034 (USD billion)

10.4 Middle East Africa HbA1c Testing Devices Market Statistics By End-User, 2024-2034 (USD billion)

10.5 Middle East Africa HbA1c Testing Devices Market Statistics by Country, 2024-2034 (USD billion)

10.5.1 Middle East HbA1c Testing Devices Market Value, Trends, Growth Forecasts to 2034

10.5.2 Africa HbA1c Testing Devices Market Value, Trends, Growth Forecasts to 2034

11. HBA1C TESTING DEVICES MARKET STRUCTURE AND COMPETITIVE LANDSCAPE

11.1 Key Companies in HbA1c Testing Devices Industry

11.2 HbA1c Testing Devices Business Overview

11.3 HbA1c Testing Devices Product Portfolio Analysis

11.4 Financial Analysis

11.5 SWOT Analysis

12 APPENDIX

12.1 Global HbA1c Testing Devices Market Volume (Tons)

12.1 Global HbA1c Testing Devices Trade and Price Analysis

12.2 HbA1c Testing Devices Parent Market and Other Relevant Analysis

12.3 Publisher Expertise

12.2 HbA1c Testing Devices Industry Report Sources and MethodologyOGAMV25R0271

I would like to order

Product name: HbA1c Testing Devices Market Outlook 2026-2034: Market Share, and Growth Analysis By Device (Laboratory-based Testing Devices, Point-of-care (POC) Testing Devices), By Technology (Immunoassays, Chromatography, Enzymatic Assays, Boronate Affinity Chromatography, High-Performance Liquid Chromatography, Others), By End-User

Product link: <https://marketpublishers.com/r/H8358818BFF3EN.html>

Price: US\$ 3,950.00 (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/H8358818BFF3EN.html>