

# VERTEX Hb

## Automated Glycohemoglobin Analyzer



Throughput:  
60T / hour\*



Precise  
CV < 1%



Auto Venting  
Technology

Making Automation Affordable  
for labs Everywhere

# VERTEX Hb

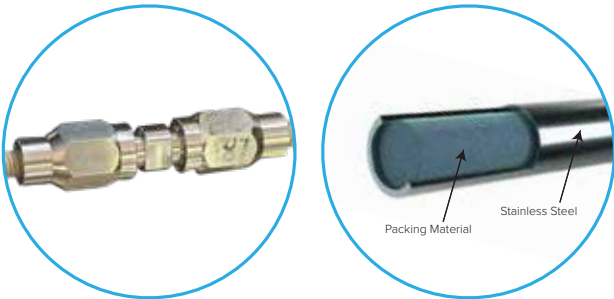
## Automated Glycohemoglobin Analyzer

VERTEX Hb is an advanced HPLC analyzer designed specifically for accurate and reliable HbA1c testing based on Ion Exchange Chromatography, ensuring precise separation of hemoglobin variants. With a throughput of up to 60 tests per hour\*, it supports high-efficiency workflows in busy labs. The system ensures precision, consistency, and traceability in diabetes monitoring.

\*Standard Mode

### High-Performance Column for Precise Results

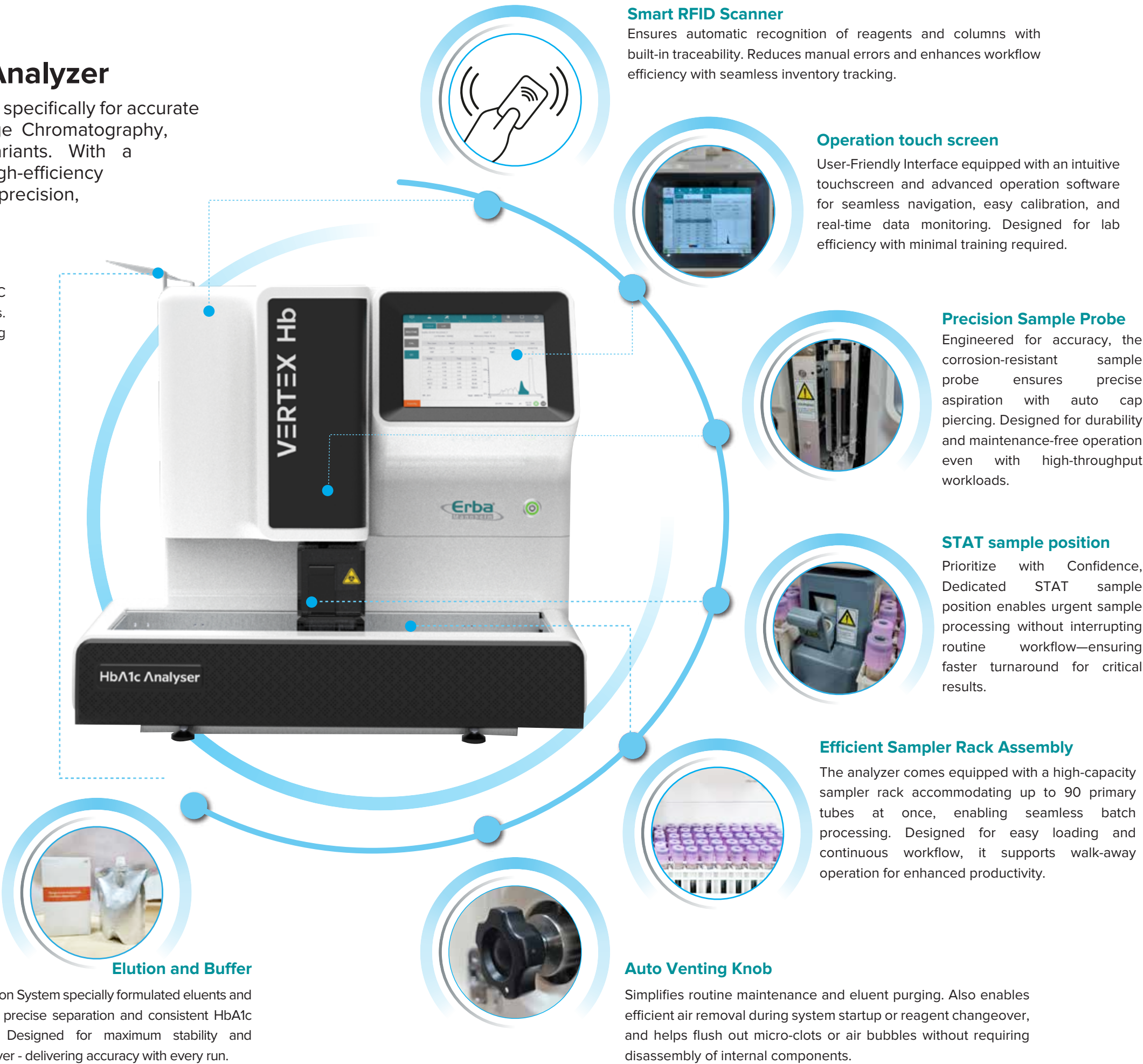
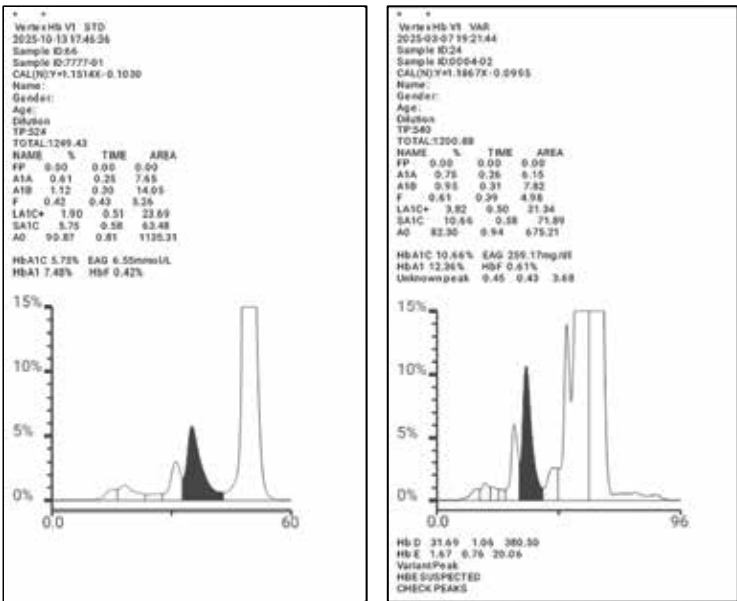
Engineered for optimal separation of hemoglobin fractions, the HPLC column ensures accurate and reproducible HbA1c measurements. Designed to minimize interference from hemoglobin variants, ensuring diagnostic confidence every time.



### Reportable Results

Standard Mode: **HbA1c**

Variant Mode: **HbA1c + Variants**



### Elution and Buffer

Optimized Elution System specially formulated eluents and buffers ensure precise separation and consistent HbA1c measurement. Designed for maximum stability and minimal carryover - delivering accuracy with every run.

# TECHNICAL SPECIFICATIONS

## MEASUREMENT PRINCIPLE

Ion-exchange HPLC

## TEST MODE

Standard mode / Variant mode

## THROUGHPUT

Standard mode: 60s / test

Variant mode: 96s / test

## MEASUREMENT ITEMS

HbA1c, HbA1 and HbF

## MEASUREMENT RANGE

HbA1c: 3% - 20%

## REPEATABILITY

CV ≤ 1.0%

## SAMPLE TYPE

Whole blood and diluted blood

## SAMPLE MANAGEMENT

LIS loading, barcode scanning

## SAMPLE LOADING CAPACITY

10 samples/rack × 9 racks. Continuous circulating rack sampling system

## EMERGENCY

1 STAT position

## HBA1C REPORT FORM

In both graphic and value report with IFCC\*\* (mmol/mol) and NGSP\*\* (%) results

\*\* Certification in Process

## CONSUMABLE

Elution buffer, hemolysis & wash solution, column, filter, calibrator, control

## REAGENT MANAGEMENT

RFID scanning, automatically loading info of lot, expiry date and remains, etc

## OPERATION INTERFACE

Android operation software, HDMI touch screen

## USER MANAGEMENT

Authorization set for different levels

## DATA STORAGE

100,000 results. Available for statistics, online queries, data backup, data export

## EXPORT & COMMUNICATION

RJ45 (Bi-directional). Built-in thermal printer  
Advantage of transferring Chromatogram through LIS along with patient data.

## MAINTENANCE

Automatic maintenance in startup and off, alarm and error indication, daily maintenance reminder & guidance

## POWER SUPPLY

AC120~240V, 50/60Hz, 24V/15A

## DIMENSIONS & WEIGHT

560(L) × 590(W) × 490(H) mm, 45kg

## Advantages of Integration with CareDiva: Transferring Chromatogram alongside Patient Report

- Enables seamless record validation and audit traceability
- Enhances clinician confidence with visual chromatogram reference
- Ensures transparency in result verification for better clinical decisions
- Simplifies reporting, review, and data archival through LIS transfer

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