Erba Mannheim | TRANSASIA®
No.1 Diagnostic Company in India

# APEX Hb

## Next-Generation Automated Glycohemoglobin Analyzer




**Throughput**
**96 Sec / Test**

**Precise**
**CV < 1%**

**Auto Venting**
**Technology**

Making Automation Affordable
for labs Everywhere

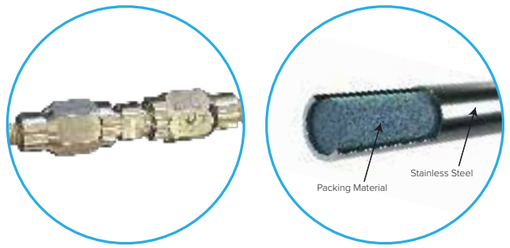
# APEX Hb

## Next-Generation Automated Glycohemoglobin Analyzer

APEX Hb is a high-performance HPLC system for precise HbA1c testing based on Ion Exchange Chromatography. designed for medium workload laboratories. Featuring a carousel rack with a loading capacity of 20 samples, it delivers HbA1c results in just 96 seconds per test. Apex Hb ensures accurate separation of hemoglobin variants while maintaining precision, consistency, and traceability in diabetes monitoring

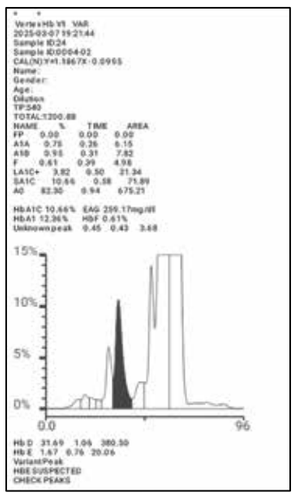
### High-Performance Column for Precise Results

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

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.



### Operation touch screen

User-Friendly Interface equipped with an intuitive touchscreen and advanced operation software for seamless navigation, easy calibration, and real-time data monitoring. Designed for lab efficiency with minimal training required.



### Precision Sample Probe

Engineered for accuracy, the corrosion-resistant sample probe ensures precise aspiration with auto cap piercing. Designed for durability and maintenance-free operation even with high-throughput workloads.



### Smart RFID Scanner

Ensures automatic recognition of reagents and columns with built-in traceability. Reduces manual errors and enhances workflow efficiency with seamless inventory tracking.



### Carousel Rack System

Holds 20 primary tubes, enabling batch processing with minimal intervention.



### Auto Venting Knob

Simplifies routine maintenance and eluent purging. Also enables efficient air removal during system startup or reagent changeover, and helps flush out micro-clots or air bubbles without requiring disassembly of internal components.



# TECHNICAL SPECIFICATIONS

**MEASUREMENT PRINCIPLE**
Ion-exchange HPLC

**TEST MODE**
Variant mode

**THROUGHPUT**
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**
20 samples Carousel × 2

**HBA1C REPORT FORM**
In both graphic and value report with
IFCC Certified (mmol/mol)

**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**
306(L) × 466(W) × 435(H) mm

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