

TECHNICAL SPECIFICATIONS

Hb-Vario

Sample Handling	
Sampler Handler	10 Position Rack Loader Positive identification by internal barcode reader Cap piercing: Optional*
Instrument Rack Capacity	1 Rack -10 Samples per run
Sample type	Whole blood on EDTA K3 or K2 anticoagulant Haemolysate from EDTA whole blood samples
Time for Analysis	Throughput approximately 3.5 minutes between samples
Interferences	Complete removal (not separation) of labile up to 10%
Tube Types Accepted	13 x 75 mm 13 x 100 mm Microcapillary Tubes (Microvette® Sartstedt) Microcapillary Tubes (brands other than Sarstedt) defined as sample vials 1.5 ml Sample Vials
Sampling System	Sample Aspiration Probe coupled with a high precision, maintenance free 1000µl syringe
Sample Aspiration Volume	14.3µl in Whole blood mode, 670µl in lysate
Hardware	
Pump	2 high pressure syringe pumps
Detector type	UV-Vis
Reagent traceability	RFID
Printer	Built-in thermal printer with possibility to connect to external printer
Display	Resistive color touch screen -8.4 inches
Electrical	
Power Input Requirements	90-264V AC
Power Consumption	150W
Data Connections	
Bidirectional	Serial Port (RS 232) or Ethernet
External Devices	5 USB ports
Dimensions	
Instrument Dimensions (mm)	369 (W) x 565 (D) x 444 (H)
Instrument Weight	23 Kg
Operating Environment	
Altitude	< 2000m
Temperature	17-32°C
Humidity	10-90% (non condensing)

ORDERING INFORMATION

Cat. nr.	Product	Qty
INS00055	Hb-VARIO Analyzer 110/220V with accessories	1 Unit
REG00038	Hb-VARIO kit	200 tests
REG00041	Hb-VARIO HbA1c Control set Bilevel 2 each of 2 levels	4 x 0.5 ml

Specifications subject to change without prior notice.  
\* Under Development

REF Hb-Vario : Fully Automated HbA1c and HbA2/F analyzer  
Brochure internal ref.: BR\_EN\_HbV\_V2, Modified 09/2014

CE In-Vitro Diagnostic Medical Device for use by health and  
research professionals

IFU Carefully read the instructions in the system's user manual (s)  
and the labeling and / or instructions for use of reagents



CERTIFIED QUALITY SYSTEM



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Free from Labile and HbF interference



Hb-Vario

HbA1c & HbA2/F\* System



# Hb-Vario

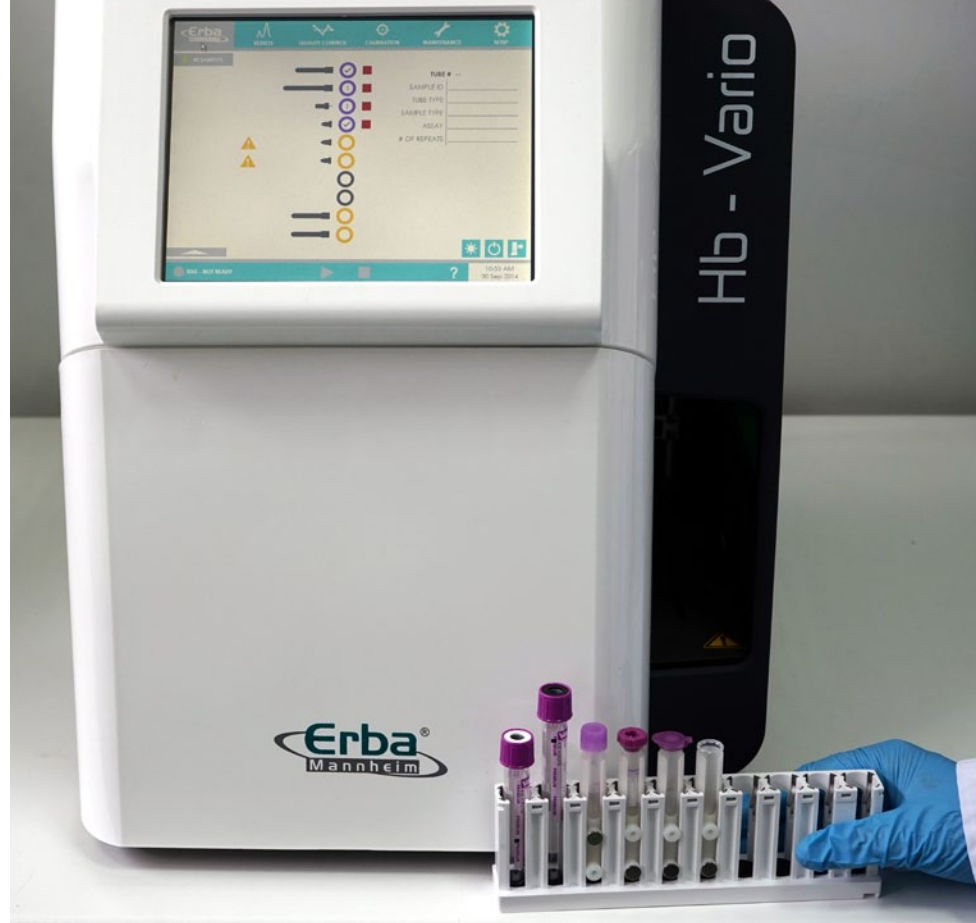
## HbA1c & HbA<sub>2</sub>/F\* System

**Simple to use: Load samples and Press Start**

HbA1c is recognized worldwide as the ideal marker for diabetes monitoring and estimation. High Performance Liquid Chromatography (HPLC) is still considered as the "gold standard" method for the determination of HbA1c.

Erba is proud to introduce the Hb-VARIO for HbA1c/HbA2 and F\* testing for laboratories and physician offices.

**Our patented and unique CLE technology enables complete elimination of labile glycohemoglobin thereby ensuring accurate HbA1C results.**



## A1C and daily blood glucose go hand in hand

Average Blood Glucose (mg/dL)

135 170 205 240 275 310 345

← ADA goal is to achieve and maintain A1C of 7% or less

← AACE goal is to achieve and maintain A1C of 6.5% or less

6% 7% 8% 9% 10% 11% 12%

A1C Measurement

**WHO now recognizes HbA1c as a marker for diagnosis of diabetes**

## HbA1c results Free from interferences:

- Separation of hemoglobin fractions
- Complete removal of labile fraction up to 10%
- No interference of HbF up to 10%
- No interference of lipemia or icterus, can run on non-fasting patient samples



## Cost effective

- Ideal for all laboratories and physician offices
- Integrated and complete 100 tests pack size



## Convenient and easy to use

- Diabetes and  $\beta$ -thalassemia testing can run in the same batch
- Sampling from multiple sizes primary tubes, including microcapillary collection tubes
- No sample preparation required
- Simple reagent and column replacement
- Automated maintenance



## Security and traceability

- RFID reagent identification and tracking
- Automatic barcode identification of samples
- NGSP certified
- Calibrators and Controls IFCC traceable
- On board QC functions with Levey-Jennings and statistical calculations
- Unlimited storage of calibration, QC data and chromatograms

