

## TECHNICAL SPECIFICATIONS

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. No.	Product	Qty
170637	Hb-Vario Analyzer 110/220V with accessories	1 Unit
121255	Hb-Vario kit including calibrator and column	200 Tests
121292	HbA1c Control set Bi-level 2 each of 2 levels	4 x 0.5 ml

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

TBM/DIA/HBVARIO/BRO/300716/V4

# Hb-Vario

For HbA1c and HbA2/ HbF\* testing



Hb-Vario : Fully Automated HbA1c and HbA2/F analyzer

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

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

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Free from Labile and HbF interference  
HbA1c Results with HbA2/HbF flagging



# Hb-Vario



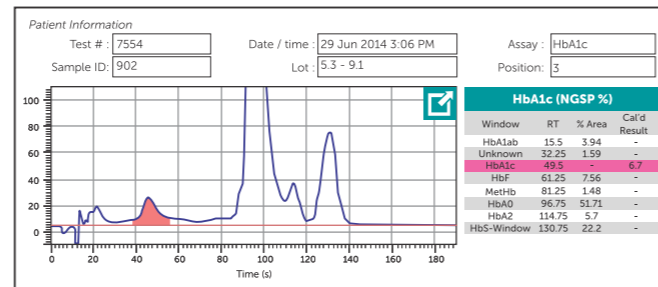
## Automated Hemoglobin testing system

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

- HbA1c is recognized worldwide as the ideal marker for diabetes diagnosis and monitoring. High Performance Liquid Chromatography (HPLC) is still considered as the "gold standard" method for the measurement of HbA1c.
- Erba is proud to introduce Hb-Vario a "true HPLC" platform for HbA1c/HbA2 and HbF\* testing. A unique designed system developed for small to medium size laboratories and physician clinics.
- Better precision, CV < 2%
- **Our patented CLE technology enables complete elimination of labile glycohemoglobin ensuring accurate HbA1c results.**
- **HbA1c test results in 3.5 minutes with HbA2/HbF flagging.**

### 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
- HbA1c reportability in presence of HbS, HbC, HbD and HbE.



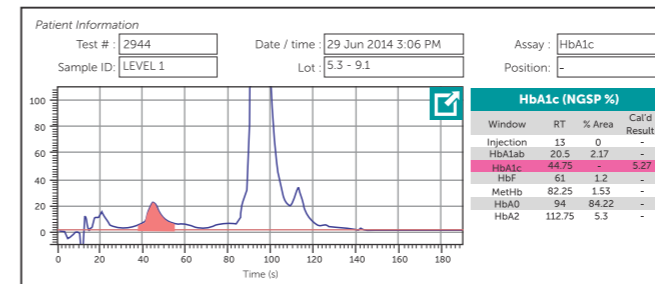
### Security and traceability

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

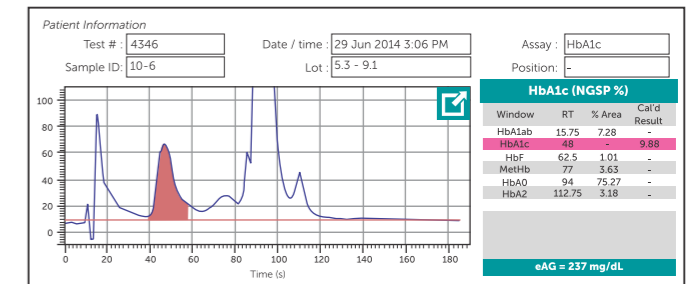


### Cost effective

- Complete kit with buffers, calibrator and column. No hidden cost.
- 2x100 tests pack size ideal for small to medium size volume



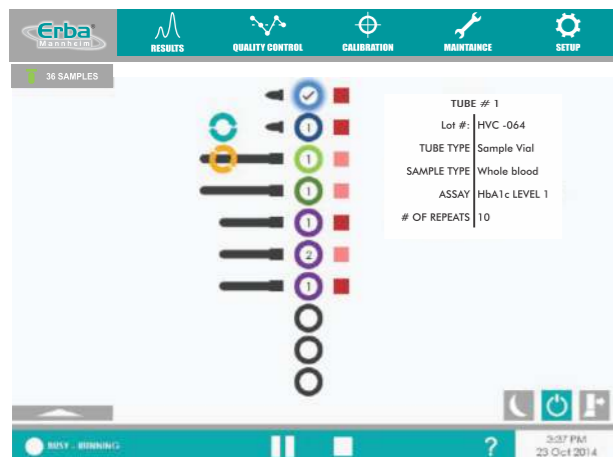
Sample chromatogram of a non Diabetic Patient



Sample chromatogram of a Diabetic Patient

### Convenient and easy to use

- Compact bench top model
- User friendly touch screen operation
- Sampling from multiple sizes primary tubes, including microcapillary collection tubes
- No sample preparation required
- Simple reagent and column replacement
- Automated maintenance



True HPLC

True HPLC

True HPLC

True HPLC

True HPLC

True HPLC