

SAMSUNG



Samsung LABGEO HC10

Delivering Smart Solutions for Life

IVD-C10A

"Save Your Time and Money without Sacrificing Quality!"

- A test completed within 45 seconds
- An auto loader allowing simplified workflow
- Lab quality results proven by clinical trials

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Designed for Your Convenience



Built-in Printer



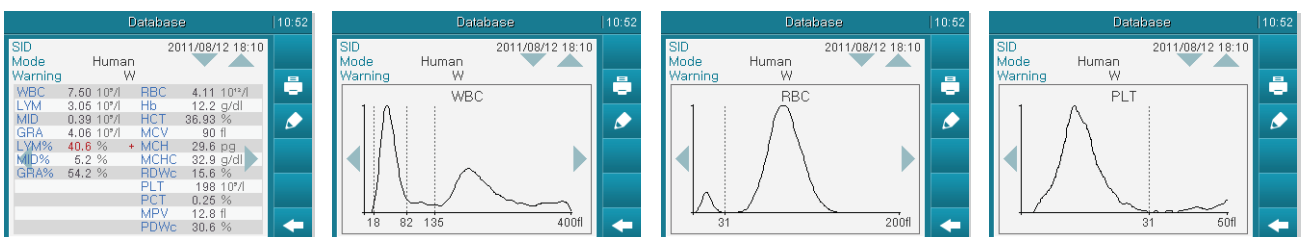
Auto Sample Loader



Easy to Follow 3 Step Process



● "Check your results after 45 seconds."



[18 parameters hematology report with 3 part WBC differential]

Features & Benefits

● Reliable and Accurate Test Results

- Lab quality results proven by clinical trials
- 6 level QC and L-J graphs provided to monitor performance

● Cost Effectiveness

- Compact footprint allowing excellent utilization of space
- Minimal maintenance

● Ease of Use

- Sampling errors eliminated by a motor-driven rotating tube holder
- User friendly LCD touch screen display and built-in printer
- Optional barcode reader and keyboard available
- Small sample volume (25µL)

● Rapid Performance and High Throughput

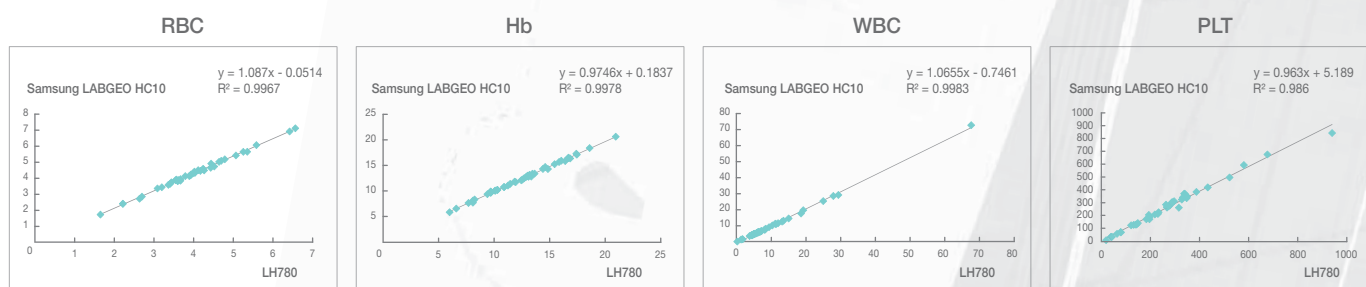
- A test completed in 45 seconds
- Throughput up to 80 tests per hour

Performance Specification

Parameters	Units	Linearity	Range of Mean	Reproducibility (CV)	Carryover
RBC	10 ⁶ Cells / µL	0 ~ 8	4 ~ 5	1.3 %	< 1%
Hb	g / dL	0 ~ 25	11 ~ 15	0.8 %	< 1%
WBC	10 ³ Cells / µL	0 ~ 75	4 ~ 8	1.6 %	< 1%
PLT	10 ³ Cells / µL	0 ~ 1,000	192 ~ 380	3.3 %	< 1%

[Ajou University Hospital, 2011]

- High correlation with central laboratory hematology analyzer proven by clinical trials



[The correlation with the central laboratory hematology analyzer, Beckman Coulter LH780 (Ajou University Hospital, 2011)]

Specification

Sample Type	EDTA Whole Blood
Sample Size (µL)	25
Parameters	WBC, LYM MON, GRA, LYM%, MON%, GRA%, Hb, HCT, RBC, MCV, MCH, RDW, MCHC, PLT, PCT, MPV, PDW
Throughput	80 Tests/Hour
Time to Result	45 Seconds/Sample
Sampling Method	Open Tube Sampler
Tube Size (mm)	13 x 75, 11 x 65, 11 x 40, Vials with OD Smaller Than 17mm
Reagents	Diluent 20L (IVR-C01A) Lyse 1L (IVR-C03A) Cleaner 1L (IVR-C04A)
Interface	4 x USB 1.1 Port 1 x Ethernet (10/100 Base-T)
Size (mm)	344 (W) x 293 (D) x 390 (H)
Weight (kg)	12.8
Power Requirement	12VDC, 5A, 60W
Operating Temperature	15 ~ 30 °C

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