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SAMSUNG SMART BLOOD ANALYZER

HEMATOLOGY ANALYZER



Samsung LABGEO HC10

Inspiring Confidence
with Fast & Accurate Diagnosis



LABGEO PA20
IMMUNOASSAY ANALYZER



LABGEO PT10
CLINICAL CHEMISTRY ANALYZER



LABGEO IB10
IMMUNOASSAY ANALYZER



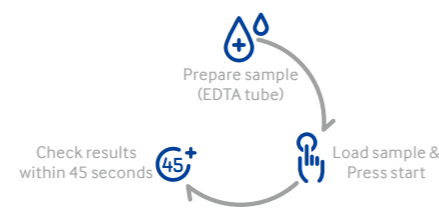
FAST

45+ Rapid Performance and High Throughput

Test to results within 45 seconds (80 tests/hour)
Automatic dual detection chamber

EASY

Simple 3 Step Test



Auto Sample Loader

Enhances workflow
Reduces risk of infection

Optional External Devices

- Barcode reader
- Key board
- Printer (PCL3, PS)



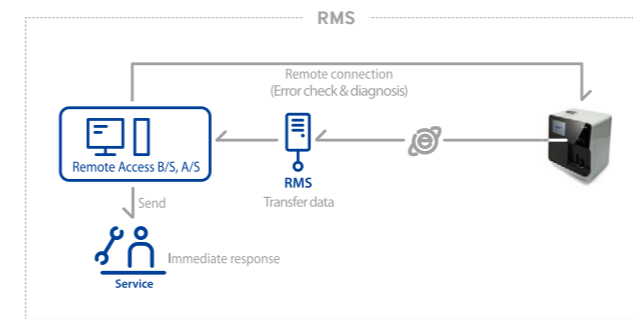
KEY FEATURE

Size & Weight	344 x 293 x 390mm, 12.8kg
Parameters	WBC 3-part differential, 18 parameters WBC, LYM, MON, GRA, LYM%, MON%, GRA%, Hb, HCT, RBC, MCV, MCH, RDW, MCHC, PLT, PCT, MPV, PDW
Sampling Volume	25 µl of whole blood (50 µl of whole blood in pre-diluted mode)
Sampling Method	Open tube system with automatic sample rotor
Tube Size	13 x 75 / 11 x 65 / 11 x 40mm, Vials OD smaller than 17mm
Reagent	Diluent 20L, Lyse 1L, Cleaner 1L, Hypocleaner 1L
Data Capacity	1,000 results with RBC, PLT, and WBC 3-part histograms
Operating Temperature	59-86°F (15-30°C); optimal temperature at 77°F (25°C)
Built-in Printer	Axiom thermal printer module, roll paper (58 mm wide), report (with histograms)
UI Language Support	Korean, English, Chinese, Spanish, Portuguese, French, Russian, Indonesian, German, Italian
Interface	4 x USB 1.1 Port, 1 x Ethernet (10/100 Base-T)
Power Supply	DC 12V, 5A, 60W

COMMON FEATURE

Proactive Customer Service

Real-time monitoring and error diagnosis
Immediate response from service team



*SMS service availability may vary between countries

IT Solution

Connect to local PC for efficient data management
Automatic software updates



*Under development

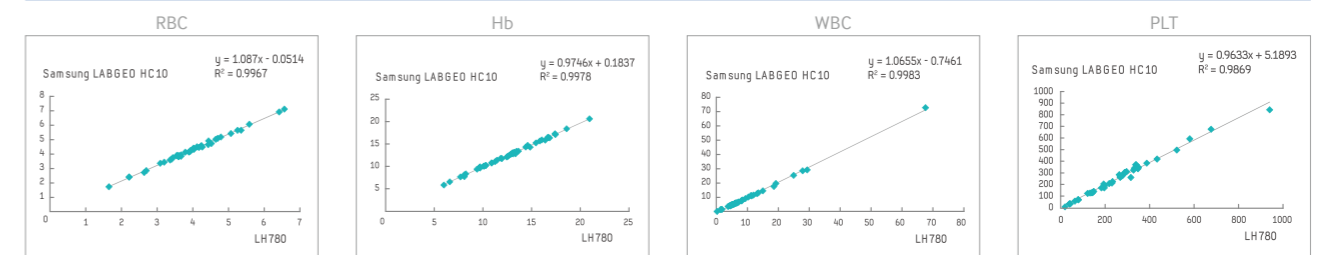
PERFORMANCE

Precision

Parameter	Units	Linearity	Range of Mean	Median CV(%)	Standard CV(%)
WBC	10 ³ / µl	0.0 ~ 75.0	4.3 ~ 8.4	1.58	3
Hgb	g / dL	0.0 ~ 25.0	10.7 ~ 15.1	0.84	2
RBC	10 ⁶ / µl	0.00 ~ 8.00	4.24 ~ 5.06	1.28	2
PLT	10 ³ / µl	0 ~ 1,000	192 ~ 380	3.33	6

[Ajou University Hospital, 2011]

Accuracy



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