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CT-LABGEO IB10 2.0-FTW-140213-EN



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Samsung LABGEO^{HC10}
HEMATOLOGY ANALYZER



Samsung LABGEO^{PT10}
CLINICAL CHEMISTRY ANALYZER

Samsung Smart Blood Analyzer

IMMUNOASSAY ANALYZER



Samsung LABGEO^{IB10}

Take Your Laboratory Wherever You Want



SAVE TIME, SAVE LIVES SMART SOLUTION PROVIDER

Samsung LABGEO IB10

High Performance Portable
Immunoassay Analyzer

Fast Easy Accurate

The Samsung LABGEO IB10 is a portable, reliable and easy-to-use immunoassay analyzer for *in-vitro* determinations and provides medical professionals with rapid and accurate test results in emergency care settings where near patient testing is critical.

FAST

Fast & Fully Automated

Rapid test results in 20 minutes
Fully automated centrifugation inside the analyzer

Whole Blood Use

No sample pretreatment required for plasma separation

Multiple Analytes Tested in a Single Run

No additional time required to test multiple analytes
Up to three analytes tested in a single run – One run,
Three test results in 20 minutes

EASY

Simple & Easy-to-Use

Simple, LCD touch screen interface with clear,
step-by-step instruction
Multiple language support

Convenient & User Friendly

One step convenient testing method
Test Discs stable at room temperature for 30-days
Built-in thermal printer
Multiple external devices available

Portable

Easy to move (Compact size, Lightweight)
Optional battery operation
Accurate testing when and where it's needed

ACCURATE

Excellent Precision and Correlation

Excellent assay performance assists medical professionals in the diagnosis and treatment of critically ill patients

	Troponin I	CK-MB	Myoglobin	NT-proBNP	D-Dimer
Measurable Range	0.05 ~ 30 ng/mL	2.0 ~ 60 ng/mL	30.0 ~ 500 ng/mL	30 ~ 5000 pg/mL	100 ~ 4000 ng/mL (FEU)
Upper Reference Limit (URL)	0.10 ng/mL (99 %ile)	8.58 ng/mL	99.84 ng/mL	< 75yrs = 125 pg/mL > 75yrs = 450 pg/mL	446.8 ng/mL (FEU)
Precision	Within-run CV	9.4 ~ 12.6%	10.8 ~ 12.7%	8.5 ~ 10.2%	6.7 ~ 8.6%
	Total CV	10.1 ~ 13.0 %	10.3 ~ 11.5%	12.1 ~ 12.7%	9.0 ~ 10.9%

* Each laboratory should establish a reference range that represents the patient population that is to be evaluated.

Method Comparisons Show High Correlation with Central Laboratory Systems

Correlation Coefficients above 0.90 and method comparison slopes near unity compared to central laboratory systems

Figure 1. Method Comparison – LABGEO^{IB} NT-proBNP and Ortho VISTA[®] NT-proBNP

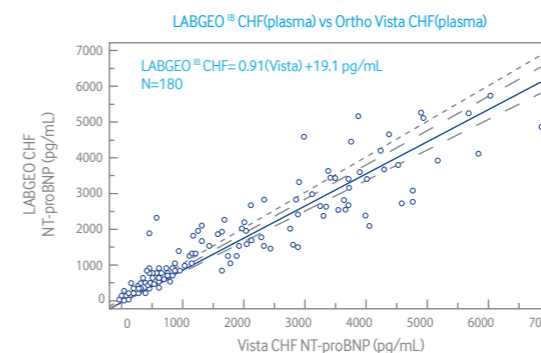
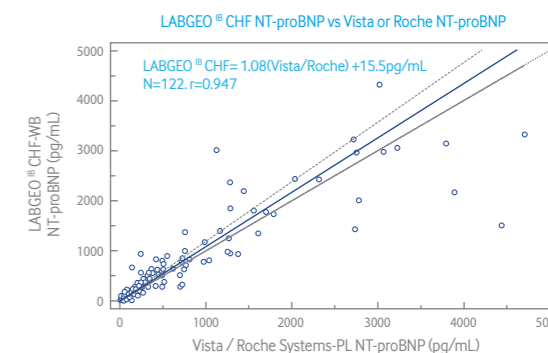


Figure 2. Method Comparison – LABGEO^{IB} CHF NT-proBNP and Ortho VISTA[®]/Roche NT-proBNP



The Samsung LABGEO^{IB10} Analyzer produced rapid and accurate measurement of both Troponin I and NT-proBNP in whole blood and plasma and showed high correlation with the central laboratory system, the Siemens Dimension Vista[™] platform

Table 3. Method Comparison - LABGEO^{IB} TnI and Siemens Dimension Vista[™] cTnI*

Comparison	N	Intercept (ng/mL)	Slope	Spearman rank correlation
LABGEO ^{IB} WB vs. VISTA plasma	36	-0.070	0.868	0.911
LABGEO ^{IB} plasma vs. VISTA plasma	36	-0.084	0.787	0.915
LABGEO ^{IB} WB vs. LABGEO ^{IB} plasma	36	0.006	0.993	0.964

Table 4. Method Comparison - LABGEO^{IB} NT-proBNP and Siemens Dimension Vista[™] NT-proBNP*

Comparison	N	Intercept (pg/mL)	Slope	Spearman rank correlation
LABGEO ^{IB} WB vs. VISTA plasma	47	-6.6	1.028	0.938
LABGEO ^{IB} plasma vs. VISTA plasma	47	19.1	0.881	0.926
LABGEO ^{IB} WB vs. LABGEO ^{IB} plasma	47	-9.5	1.062	0.978

* A study was performed by Dr. Steven Kazmierczak at Oregon Health and Science University, OHSU (Portland, Oregon) AACC 2013 poster Kazmierczak, S. (suppl) pg S2-S310 - B221

AVAILABLE TEST MENU

Product Image	Product Name	Model #
	Samsung LABGEO ^{IB} Troponin I Test Troponin I	IVR-IB05
	Samsung LABGEO ^{IB} CHF Test NT-proBNP	IVR-IB06
	Samsung LABGEO ^{IB} CHF Plus Test Troponin I / NT-proBNP	IVR-IB07
	Samsung LABGEO ^{IB} Cardiac 3-in-1 Panel Test Troponin I / CK-MB / Myoglobin	IVR-IB08
	Samsung LABGEO ^{IB} D-Dimer Test D-Dimer	IVR-IB09
	Samsung LABGEO ^{IB} SOB Cardiac 3 Panel Test Troponin I / NT-proBNP / D-Dimer	IVR-IB11

Rapid Point-of-Care (POC) Immunoassay



Troponin I Test

Troponin I
For the Quantitative Determination of Troponin I (cTnI) in Lithium Heparin Human Whole Blood and Plasma



CHF Test

NT-proBNP
For the Quantitative Determination of N-terminal pro-brain natriuretic peptide (NT-proBNP) in EDTA and Lithium Heparin Human Whole Blood and Plasma



CHF Plus Test

Troponin I / NT-proBNP
For the Quantitative Determination of Troponin I (cTnI) and N-terminal pro-brain natriuretic peptide (NT-proBNP) in Lithium Heparin Human Whole Blood and Plasma



Cardiac 3-in-1 Panel Test

Troponin I / CK-MB / Myoglobin
For the Quantitative Determination of Troponin I (cTnI), CK-MB, Myoglobin in Lithium Heparin Human Whole Blood and Plasma



D-Dimer Test

D-Dimer
For the Quantitative Determination of D-Dimer in Lithium Heparin and Citrated Human Whole Blood and Plasma



SOB Cardiac 3 Panel Test

Troponin I / NT-proBNP / D-Dimer
For the Quantitative Determination of Troponin I (cTnI), NT-proBNP and D-Dimer in Lithium Heparin Human Whole Blood and Plasma

SIMPLE ONE STEP PROCEDURE



Touch 'New Analysis'

Insert Test Reagent

View the Results

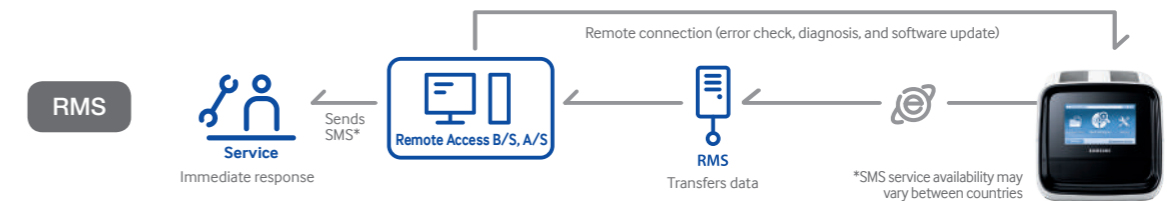
KEY FEATURES

Analyzer (Size / Weight)	177(W) x 330(D) x 177(H) mm / 2.4 kg
Cardiac Markers	Troponin I, NT-proBNP, D-Dimer, CK-MB, Myoglobin
Product Menu	Troponin I Test, CHF Test, CHF Plus Test, 3-in-1 Test, D-dimer Test, SOB Cardiac3 Panel Test
Sample Volume	500µl Whole Blood or Plasma
Options	Battery, Barcode Scanner, WIFI USB Dongle, EQC Disc
IT Solution	Samsung LABGEO Data Manager
Proactive Service	RMS (Remote Management System)

SMART HEALTHCARE

Proactive Customer Service

RMS (Remote Management System) provides real-time service through equipment status checks and immediate response to errors from a service team



IT Solution

Connects to HIS (Hospital Information System), PC, and Mobile phone / device for efficient database management



Support Multiple Devices

Multiple external devices available (WIFI USB Dongle, USB, Barcode Scanner, and LAN Connectivity)

