

EHBT-50 Minilab Multi-Functional Analyzer

7-Diff Hematology + Immunology + Biochemistry analysis

All-In-One

- Combining hematology, immunoassay, biochemistry, urine and fecal testing in one device, our product simplifies diagnostics, reduces costs, and optimizes lab space, catering to the needs of healthcare

Advanced Cell Morphology Analysis

- With more than 7-diff hematology analysis, AI-driven EHBT-50 can identify multi-classified blood cells and abnormal cells, such as **NST, NSG, NSH, NLR, PLR, ALY, PAg and RET**



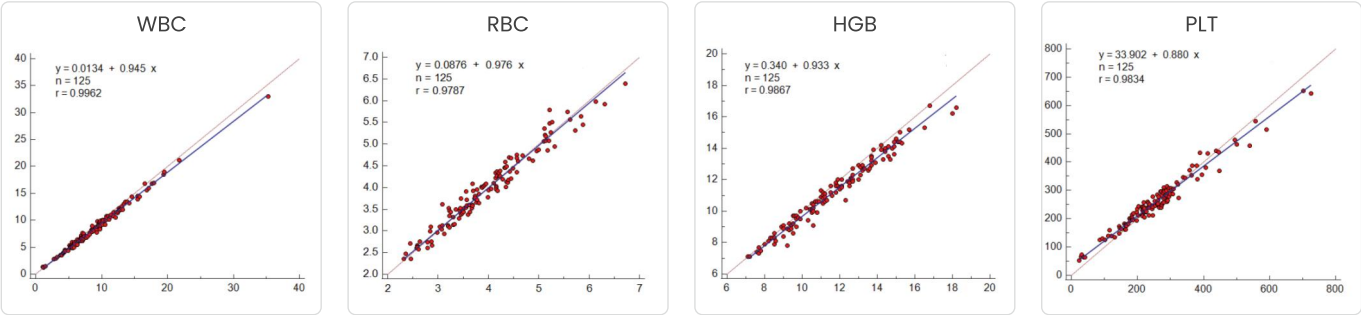
Linearity

Parameters	Linearity Range	Allowable Deviation	R²
WBC	1.0 ~ 10.0*10 ⁹ /L	Within ±0.5*10 ⁹ /L	≥0.990
	10.1 ~ 99.9*10 ⁹ /L	Within ±5%	≥0.990
RBC	0.30 ~ 1.00*10 ¹² /L	Within 0.05*10 ¹² /L	≥0.990
	1.01 ~ 7.00*10 ¹² /L	Within ±5%	≥0.990
HGB	20 ~ 70g/L	≤2g/L	≥0.990
	71 ~ 200g/L	Within ±3%	≥0.990
PLT	20 ~ 100*10 ⁹ /L	Within ±10*10 ⁹ /L	≥0.990
	101 ~ 999*10 ⁹ /L	Within ±10%	≥0.990

Precision

Parameters	Detection Range	CV
WBC	3.5 ~ 9.5*10 ⁹ /L	≤6.0
RBC	3.8 ~ 5.8*10 ¹² /L	≤3.0
HGB	115 ~ 175g/L	≤2.5
PLT	125 ~ 350*10 ⁹ /L	≤10.0
HCT/MCV	35~50% (HCT)	≤3.0
	82~100fL (MCV)	≤3.0

Lab-Grade Results



Test Item

	37 Parameters: WBC, NEU#, LYM#, MON#, EOS#, BAS#, NEU%, LYM%, MON%, EOS%, BAS%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, MPV, PDW, PCT, P-LCR, P-LCC, NST#, NST%, NSG#, NSG%, NSH#, NSH%, NLR, PLR, ALY#, PAg#, RET#, RET%			
Immunoassay	Bone Metabolism	25-OH-VD	Diabetes	HbA1c
	Kidney	mALB*, NGAL*, β2-MG*	Thyroid	T3, T4, TSH, FT3*, FT4*
	Anemia	Ferritin*	Cardiac	NT-ProBNP*, cTnI, Myo*, CK-MB*, cTnI/Myo/CK-MB*, cTnT*
	Sex Hormone	β-HCG*, LH*, FSH*, Prog*, PRL*, E2*, TEST*, AMH*		
Biochemical Test	Inflammation	CRP, hs-CRP, SAA*, CRP/SAA*, IL-6*, PCT	Thrombus	D-Dimer*
	Blood Glucose & Lipid	Glu, TG, TC, UA	Renal & Liver Test	UA, CR, ALT, AST
Urine & Fecal Test	Renal Test	UA, CR, UREA	Liver Test	ALT, AST, TB, ALB
	Can be expanded via OTA in the future			

*Under development

Specifications

- Principle:** Cell morphology for CBC
Photoelectric colorimetry for HGB
FIA for Immunofluorescence assay
Dry chemistry

Display: 10.1-inch touch screen

Printer: Built-in thermal printer, external printer (optional)

Dimensions: 400mm x 350mm x 450mm (L x W x H)

Communication: LIS, HIS, LAN port, 4 USB ports, Type C port, SIM port, RTC port
- Sample Mode:** Capillary/venous whole blood

Sample Volume: 30μL for testing
60μL for loading

Quality Control: Dry-type QC card

Calibration Mode: Auto calibration

Power Supply: 100-240V, 50/60HZ

Throughput: 10 samples/hour

Weight: 15kg (N.W.)

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