Ozelle

EHBT-50 Minilab
Multi-functional Analyzer

One Run , Multiple Tests , Flexible Panels

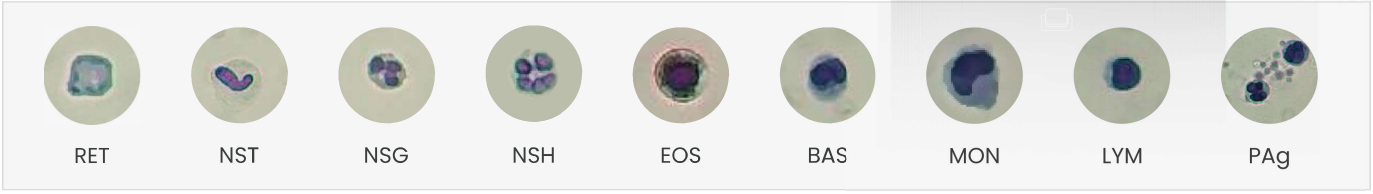


Flexible Multi-Panel Testing System

- EHBT-50 Minilab is designed to support triple-panel combined testing across 7-part differential hematology, immunoassay, and biochemistry. Users can freely configure single, dual, or triple test combinations in one batch, enabling efficient and cost-effective testing for diverse clinical needs.

Advanced Cell Morphology Analysis

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



Key Features

Customizable Test Panels
Enable users to freely combine test panels based on actual testing needs, avoiding fixed configurations for flexible, purpose-driven testing

Multiple Sample Types
Compatible with venous whole blood, capillary blood, serum, and plasma for versatile testing options.

Ease of Use
Intuitive interface and simple operation minimize user training and manual input.

Fully Automated Workflow
Instrument executes the entire testing process automatically, ensuring accurate, error-free results.

Cost-Efficient Testing Strategy
On-demand panel selection optimizes reagent use and controls testing costs, eliminating unnecessary tests.

Maintenance-Free
Single-use, highly integrated consumables reduce cross -contamination risk and support a maintenance-free workflow.

Customizable Combined Panels



*Max 3 tests per batch

Test Items

7-Diff CBM	**41 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%, AWBC#*, AWBC%*, SRBC#*, SRBC%*			
	Research Parameter: Malaria Risk (Low / Medium / High)*			
Immunoassay	**Bone Metabolism**	25-OH-VD	**Diabetes**	HbA1c
	Anemia	Ferritin	**Thyroid**	T3, T4, TSH, FT3, FT4
	Sex Hormone	Prog, PRL, E2	**Cardiac**	NT-ProBNP, cTnI, Myo, CK-MB
	Inflammation	CRP, IL-6, PCT	**Thrombus**	D-Dimer
Biochemical Test	**Blood Glucose & Lipid**	Glu / UA / TC / TG Glu / HDL-C / TC / TG	**Renal & Liver Test**	UA / CR / ALT / AST
	Renal Test	UA / CR / UREA	**Liver Test**	ALT / AST / TB / ALB

*Under development

Specifications

Principle: Cell Morphology for CBM
Photoelectric Colorimetry for HGB
Immunofluorescence Assay for Immunoassay
Dry Chemistry for Biochemistry

Display: 10.1-Inch Touch Screen, 800×1280 Resolution

Printer: Built-in Thermal Printer, External Printer (Optional)

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

Communication: LIS, WiFi (IEEE 802.11 b/g/n), USB 2.0 Ports, Lan (RJ45) Port

Sample Mode: Capillary/Venous Whole Blood/ Serum/Plasma

Sample Volume: 30μL~100μL

Quality Control: Dry-Type QC Card, Liquid QC

Calibration Mode: Auto Calibration

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

Throughput: 8 Samples/Hour

Weight: 15kg (N.W.)

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