



# LABOMED, INC.

## H-7028 Fully Automatic 28 Parameter Hematology Analyzer

### Measuring Principles

Fluorescence Flow Cytometry Technology/cytochemical flow cytometry using

Semi-Conductor LASER and Dye Reagents for WBC and 5 Differential for WBC.

Hydrodynamic Focus/impedance/optical focus flow detection method for RBC & PLT Analysis.

Cyanide free SLS/Photometric – Hemoglobin method for HGB measurement.

Measuring Principles LIC

The H-7021 offers 3 differential tests, while the H-7028 offers 5 differential tests.

The H-7028 offers several additional tests, including:

NEUT (#): Neutrophil Count

NEUT (%): Neutrophil Ratio,

LYMPH (#): Lymphocyte Count,

LYMPH (%): Lymphocyte Ratio

MXD (#): Eosinophil, Basophil and Monocyte Count

MXD (%): Eosinophil, Basophil and Monocyte Ratio

RDW-SD: Red Blood Cell Distribution Width - Standard Deviation

RDW-CV: Red Blood Cell Distribution Width - Corpuscular Volume

### Parameters

28 parameters +3 histograms + 1 scattergram

NEUT (#): Neutrophil Count

NEUT (%): Neutrophil Ratio

LYMPH (#): Lymphocyte Count

LYMPH (%): Lymphocyte Ratio

MXD (#): Eosinophil, Basophil and Monocyte Count

MXD (%): Eosinophil, Basophil and Monocyte Ratio

RDW-SD: Red Blood Cell Distribution Width - Standard Deviation

RDW-CV: Red Blood Cell Distribution Width-Corpuscular Volume

WBC (#): White Blood Cell Count

RBC (#): Red Blood Cell Count

MONO (#): Monocyte Count

MONO (%): Monocyte Ratio

GR (#): Granulocyte count

GR (%): Granulocyte Ratio

HGB (#): Hemoglobin Count

HGB DW: Hemoglobin Distribution Width

MCH: Mean Corpuscular Hemoglobin

MCHC: Mean Corpuscular Hemoglobin Concentration

MCV: Mean Corpuscular Volume

HCT (#): Hematocrit Count

PLT (#): Platelet Count

PCT: Prolactin Count

MPV: Mean Platelet Volume

PDW: Platelet Distribution Width

RTC: Reticulocyte Count

WBC Histograms: White Blood Cell Histograms

RBC Histograms: Red Blood Cell Histograms

PLT Histograms: Platelet Histograms

Baso Histograms: Basophil Histograms

WBC (White Blood Cell) Differential Scattergram

NEUT (#): Neutrophil Count

NEUT (%): Neutrophil Ratio

BASO (#): Basophil Count

BASO (%): Basophil Ratio

EOS (#): Eosophil Count

EOS (%): Eosophil Ratio

P-LCR (#): Platelet Large Cell Ratio

ALY (%): Atypical Lymphocyte Ratio

ALY (#): Atypical Lymphocyte Count

LIC (%): Limiting Isorrheic Concentration Ratio

LIC (#): Limiting Isorrheic Concentration Count

These extra parameters are available on the H-7028 and not on the H-7021:

(NEU#, NEU%, BAS#, BAS%, EOS#, EOS%, RDW-SD, RDW-CV, P-LCR, ALY#, ALY%, LIC#, LIC%, BASO, RSC Histogram)

**Sample Volume:**

Min 20uL EDTA Whole Blood

**Throughput (T/hr):**

60 samples per hour or above

**Operating System:**

Windows 7 or later

**PC Hardware:**

Must be purchased separately (Labomed, Inc. does not sell it)

**RAM:**

≥ 1GB, HDD: 160 GB SATA

**Display:**

≥ 17" LCD Color Monitor

**Data Storage:**

Min 10,000 test about patients

**Discrete Mode:**

CBC Mode CBC+DIFF Mode

**Power Supply:**

230V AC, 400W, 50Hz, locally compatible mains plug, set of replacement fuses (if replaceable type used)

**Dimensions:**

400 x 420 x 490mm

**Weight:**

25kg

### Accessories

- UPS: Appropriate true online UPS with 1 hour back up (Optional)
- Roller Mixer for Homogenous mixing of Blood - one (Optional)
- One set Startup Reagents (Optional)
- Reagents for 5000 test at user end (Optional)

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