

Z-GEM 3

3 Part Automated Hematology Analyzer

SPECIFICATIONS

MEASURING DATA

Throughput: 60 samples per hour

21 Parameters: RBC, PLT, HGB, WBC, LYMPH, MID%, NEU%, LYMPH, MID%, NEU%, HCT, MCV, MCH, MCHC, RDW, CV, RDW, SD, MPV, PDW, PCTP, LCRP, LCC, RBC, PLT, WBC Histogram

SAMPLING SYSTEM

Modes of Operation: Whole blood, Capillary, Pre Dilute

Sample Volume:
Whole Blood: 9 µL
Pre-diluted: 20 µL
Capillary: 9 µL

PRINCIPLE

RBC/PLT Analysis: Impedance
WBC Analysis: Impedance
HGB test: Photometric

REAGENT

Environment friendly Reagents: DR, LYSE
Cyanide-free Lyse

INTERFACE

Display: 16.4" Touch Screen LCD Display
Storage: 500,000 Sample results with Histogram
Multilingual: English, French, Spanish, Italian, Russian
Printer: Built-in Thermal Printer

DIMENSION & WEIGHT

Dimension: 40cm(L) x 20 cm(W) x 40cm(H)
Weight: 17.5 Kg
Power: 100-240V, 50/60 Hz

QUALITY CONTROL

3 Level QC L-J Graph

PERFORMANCE

Parameter	Range	Precision CV%
WBC	(3.5-15.0) × 10 ⁹ /L	≤2.0%
RBC	(3.50-6.00) × 10 ¹² /L	≤2.0%
HGB	(110-180) g/L	≤2.0%
PLT	(150-500) × 10 ⁹ /L	≤4.0%
MCV	(80-110) fL	≤1.0%



The Product in Q control



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S.A.E

Zovec Healthcare Private Limited



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Environment Friendly Reagents
DIL LYSE RFID Based Reagent
Setup 2 Reagent System

Throughput: 60 Samples/hour



Sample volume: 9 μ L
Pre-dilute: 20 μ L

RBC,PLT,HGB ,WBC, LYM%,
MID%, NEU%,LYM#, MID#,
NEU#,HCT, MCV, MCH,
MCHC, RDW_CV, RDW_SD,
MPV,PDW, PCT,P_LCR, P_LCC
RBC,PLT,WBC histogram



Built-in thermal printer



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