

GlucoSure™ POC III

8-in-1 Point of Care Monitoring System



The GlucoSure POC III 8-in-1 Point of Care Monitoring System is designed for in vitro diagnostic use and intended for operation by healthcare professionals in laboratories, clinics, and hospitals. This advanced system supports comprehensive Point-of-Care testing, offering whole blood analysis for eight selectable critical biomarkers: blood glucose, cholesterol & LDL, ketone, hemoglobin, lactate, creatinine, uric acid, and triglycerides. By providing a wide range of diagnostic capabilities in a single device, the GlucoSure POC III enables efficient, real-time testing, streamlining patient care and improving diagnostic accuracy. Its versatility and reliability make it an essential tool for managing a broad spectrum of metabolic and health conditions at the point of care.

APEXBIO™

GlucoSure™ POC III 8-in-1 Point of Care Monitoring System

Specifications

- **Strip Ejection**
- **Battery:** 3.7V Rechargeable Lithium-Ion Battery / 3000mAh
- **Camera:** 8 MP / Automatic Focus / Flash LED
- **Wireless Function:**
 1. WiFi 2.4GHz + 5GHz with IEEE 802.11 a/b/g/n/ac
 2. HF RFID Reader
 3. 4G Cat-M1 or NB-IoT (Optional)
- **Battery Charge Method:**
 1. With USB Type-C Connector
 2. Wireless Power Transfer (WPT) _ RX Mode (Optional)
- **Dimension:** 160L x 90W x 23H (mm)
- **Weight:** < 500g with Batteries
- **LCD Backlight:** 5.5 inch Color TFT LCD with Touch Panel
- **Data Transfer:**

Type-C Connector for Battery Charging and
Converting to Ethernet with DOCK
- **Communication Protocol:**
 1. APEXBio Middleware Protocol
 2. POCT1-A Protocol (Optional)
- **Memory:**

up to 100 Proficiency Test Results
up to 2,000 Patient Result Records
up to 3 Comments for each Test Record
up to 500 QC Result Records
up to 50 Linearity Test Results
up to 300 Test Strip Lot Code Containers
up to 15,000 User ID Records
up to 15,000 Patient Records
up to 200 OTE Reagents Records
up to 50 QC Lot Records
up to 10 Linearity Lot Records
up to 5,000 Entries Audit Trail Records



Selectable Measurement Options

Blood Glucose

- Blood Sample: Capillary, Venous, Arterial and Neonatal
- Autocode
- Measurement Range: 10-600mg/dL
- Test Time: 5 Seconds
- Sample Volume: $\geq 0.6 \mu\text{L}$
- Hematocrit Range: 0%-70%
- Operating Temperature: 5-45°C

CHOL

Chol (Cholesterol)

LDL

LDL (Low-Density Lipoprotein Cholesterol)

CHOL & LDL

Cholesterol & LDL

Cholesterol & LDL

- Blood Sample: Capillary
- Measurement Range:
Cholesterol: 100-400mg/dL
LDL: 50-200mg/dL
- Test Time: 60 Seconds
- Sample Volume: $\geq 3.6 \mu\text{L}$
- Hematocrit Range: 30%-60%
- Operating Temperature: 10-40°C

Ketone

- Blood Sample: Capillary, Venous
- Autocode
- Measurement Range: 0.1-8.0mmol/L
- Test Time: 8 Seconds
- Sample Volume: $\geq 0.8 \mu\text{L}$
- Hematocrit Range: 20%-60%
- Operating Temperature: 10-40°C

Hemoglobin

- Blood Sample: Capillary, Venous
- Autocode
- Measurement Range: 0-24g/dL
- Test Time: 4 Seconds
- Sample Volume: $\geq 1 \mu\text{L}$
- Hematocrit Range: 0%-70%
- Operating Temperature: 5-45°C

Lactate

- Blood Sample: Capillary, Venous
- Autocode
- Measurement Range: 6-200mg/dL
- Test Time: 15 Seconds
- Sample Volume: $\geq 1 \mu\text{L}$
- Hematocrit Range: 20%-70%
- Operating Temperature: 10-40°C

Creatinine

- Blood Sample: Capillary, Venous
- Autocode
- Measurement Range: 0.5-27mg/dL
- Test Time: 30 Seconds
- Sample Volume: $\geq 1.2 \mu\text{L}$
- Hematocrit Range: 20%-60%
- Operating Temperature: 10-40°C

Uric Acid

- Blood Sample: Capillary
- Measurement Range: 3-20mg/dL
- Test Time: 10 Seconds
- Sample Volume: $\geq 1.5 \mu\text{L}$
- Hematocrit Range: 20%-60%
- Operating Temperature: 10-38°C

Triglycerides

- Blood Sample: Capillary
- Measurement Range: 5-650mg/dL
- Test Time: 60 Seconds
- Sample Volume: $\geq 1.2 \mu\text{L}$
- Hematocrit Range: 30%-55%
- Operating Temperature: 18-38°C

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