



Advanced Features for Diabetics

- Meal-markers included to monitor results before and after meals
- Five (5) customizable test reminders help remind patients to test when required
- Ketone warning suggests patient to test ketones
- Hypo and hyper warnings remind necessary action
- Automatic insufficient sample check to ensure error free testing
- Wide operating temperature range of 5-45°C allows testing in almost any environment
- Long battery life – up to 3,000 tests
- 7, 14, 30, 60 and 90-day averaging allows users to quickly assess glucose results over these periods
- Substantial meter memory allows up to 300 tests, with date and time
- USB Data Transfer Cable and Convenient Software allow easy download to PC and better data management

Limitations and Warnings

The **On-Call[®] Advanced** Blood Glucose Monitoring System uses GDH-PQQ enzyme which can not distinguish glucose, maltose, galactose or xylose contained in blood, therefore maltose, galactose and xylose may falsely elevate the blood glucose reading when present in the bloodstream of diabetic patients.

- To avoid false readings, do not use the **On-Call[®] Advanced** Blood Glucose Monitoring System if the patient is taking drugs that break down to maltose or galactose. The following represent some drugs that may lead to false readings:
 - Peritoneal dialysis solutions containing icodextrin (e.g., Extraneal, Icodial)
 - Certain types of intravenous immunoglobulin therapies (e.g., Octagam[®] 5%)
 - Intravenous solutions containing maltose as a means for patient hydration

NOTE: To determine if a drug breaks down to maltose or galactose, please consult the drug package insert. The list above is not meant to be an all inclusive list and may be missing other drugs.

- Don't use the **On-Call[®] Advanced** Blood Glucose Monitoring System during a xylose absorption test.
- Blood glucose level readings may be overestimated if concentration for galactose levels > 10 mg/dL, maltose levels > 13 mg/dL in the blood, or lactose levels > 5 mg/dL.



Specifications

Feature	Specification
Glucose Test Range	10-600 mg/dL (0.6-33.3 mmol/L)
Result Calibration	Plasma-equivalent
Sample	Fresh whole blood (Capillary, Venous, and Neonatal)
Minimum Sample Size	0.8 µL
Test Time	5 seconds
Battery	Two (2) CR 2032 3.0V coin cell batteries
Battery Life	3,000 tests
Glucose Units	The meter is pre-set to either mmol/L or mg/dL depending on the local standard
Memory	300 records with time and date
Automatic Shutoff	2 minutes after last action
Meter Size (L x W x H)	90 mm x 58 mm x 21 mm
Display Size (L x W)	41 mm x 37 mm
Weight	66 g (with battery installed)
Operating Temperature	5-45°C
Operating Relative Humidity	10-90%
Hematocrit Range	20-70%
Data Port	9600 baud, 8 data bits, 1 stop bit, no parity

Catalog

Product Name	Catalog No.	Components
On-Call [®] Advanced Blood Glucose Monitoring System	G114-101 [†]	1 Meter 15 Lancets 1 Manual 1 Warranty Card 15 Test Strips 1 Control Solution 1 (2 mL/bottle) 1 Quick Reference Guide 1 Logbook 1 Lancing Device 1 Quick Start Guide 1 Carrying Case
On-Call [®] Advanced Blood Glucose Meter	G114-111 [†]	1 Meter 1 Manual 1 Warranty Card 1 Lancing Device 1 Quick Reference Guide 1 Logbook 1 Carrying Case 1 Quick Start Guide
On-Call [®] Advanced Blood Glucose Meter	G114-121 [†]	1 Meter 1 Control Solution 1 (2 mL/bottle) 1 Quick Reference Guide 1 Lancing Device 1 Carrying Case 1 Warranty Card 15 Lancets 1 Manual 1 Logbook
On-Call [®] Advanced Blood Glucose Meter	G114-131 [†]	1 Meter 1 Manual 1 Logbook 1 Control Solution 1 (2 mL/bottle) 1 Carrying Case 1 Warranty Card 1 Quick Reference Guide
On-Call [®] Advanced Test Strips	G134-101 [†]	25 Test Strips (25/vial) 50 Test Strips (25/vial) 100 Test Strips (25/vial) 1 Package Insert
On-Call [®] Advanced Test Strips	G134-111 [†]	25 Test Strips (Individually Foil Wrapped) 1 Package Insert
On-Call [®] Advanced Lancet	G124-101 [†]	100 Sterile Lancets (25/bag)
On-Call [®] Advanced Lancing Device	G124-111 [†]	1 Lancing Device 1 Package Insert
On-Call [®] Advanced Dual Control Solution	G124-121 [†]	1 Control Solution 1 (2 mL/bottle) 1 Package Insert 1 Control Solution 2 (2 mL/bottle)
On-Call [®] Advanced Diabetes Monitoring Software Kit	G124-131	1 USB Data Transfer Cable 1 Installation Disk

✓ CE Marked for sale in the European Community **CE** 0197



**Outstanding Performance
for
Healthcare Professionals
and Diabetics!**



Dependable & Advanced

The answer to additional requests from Healthcare Professionals and Diabetics:

- Available for Capillary, Venous & Neonatal Blood Testing
- Accurate and Dependable
- Safe and Convenient
- Simple and Quick Testing with Tiny Blood Sample
- Advanced Features for Diabetics



○ Available for Neonatal Blood Testing

Screening for neonatal hypoglycemia has become a routine clinical practice. Neonatal hypoglycemia, if untreated, may result in neurological damage.¹ However, most portable blood glucose monitoring products on the market do not give accurate neonatal blood glucose readings due to different limiting factors associated with neonatal blood. Major factors include:

- High hematocrit levels (51-65%) in the neonatal blood.^{2,3}
- Low glucose concentrations (20 - 80 mg/dL) in the neonatal blood.³



The **On-Call[®] Advanced** Blood Glucose Monitoring System can test blood at 20-70% hematocrit using advanced Hematocrit auto-correction technology, for healthy adults and neonates.

In addition, the **On-Call[®] Advanced** Blood Glucose Monitoring System can also be used by anemic people and pregnant women.

- Anemic people may have levels of hematocrit < 33%. Common reasons are loss of blood and nutritional deficiency.
- Pregnant women are at high risk of anemia because the growing fetus creates a high demand for iron.

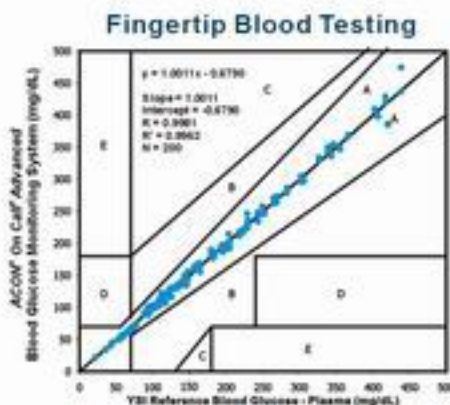
References:

1. Anderson, J.M., Milner, R.D.G., Strich, S.J., Effects of neonatal hypoglycemia on the nervous system. *J Neurol Neurosurg Psychiatry* (1967) 30:295-310.
2. Johnson, TR. Chapter 4. Some effects of growth and development on pediatric clinical chemistry. In *Pediatric Clinical Chemistry*, 2nd Edition, S. Meites, Editor, AACC, 1981, p.33.
3. Kaplan, LA. Glucose. In *Methods in Clinical Chemistry*, Pesce, A. J. and Kaplan, LA. C.V. Mosby Co., Publishers, 1987, P.111 (Column 2, Reference Ranges).



○ Accurate and Dependable

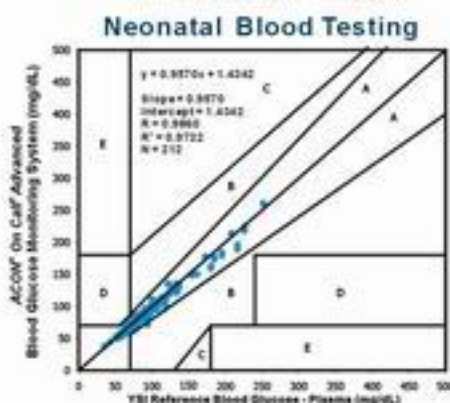
Extensive clinical studies proved the accuracy of the **On-Call[®] Advanced** Blood Glucose Monitoring System with fresh capillary, venous and neonatal blood.



Error Grid Analysis
Clinical Trial - Strip Lot B (Fingertip Capillary Blood, by Technician)
ACON[®] On-Call[®] Advanced Blood Glucose Monitoring System vs. YSI

System Accuracy Results for Glucose Concentration > 75 mg/dL		
Within ± 5%	Within ± 10%	Within ± 15%
140/162 (86.4%)	161/162 (99.4%)	162/162 (100.0%)

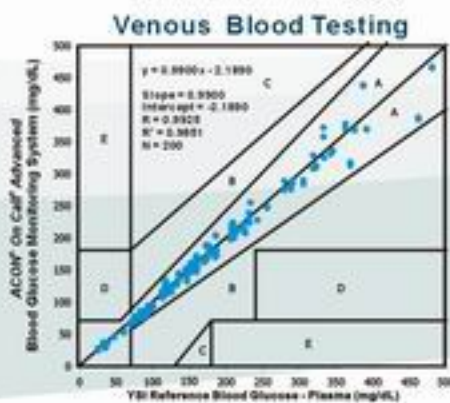
System Accuracy Results for Glucose Concentration < 75 mg/dL		
Within ± 5 mg/dL	Within ± 10 mg/dL	Within ± 15 mg/dL
34/38 (89.5%)	38/38 (100.0%)	38/38 (100.0%)



Error Grid Analysis
Clinical Trial - Strip Lot A (Neonatal Blood, by Technician)
ACON[®] On-Call[®] Advanced Blood Glucose Monitoring System vs. YSI

System Accuracy Results for Glucose Concentration > 75 mg/dL		
Within ± 5%	Within ± 10%	Within ± 15%
83/157 (52.9%)	140/157 (89.2%)	151/157 (96.2%)

System Accuracy Results for Glucose Concentration < 75 mg/dL		
Within ± 5 mg/dL	Within ± 10 mg/dL	Within ± 15 mg/dL
34/55 (61.8%)	52/55 (94.5%)	54/55 (98.2%)



Error Grid Analysis
Clinical Trial - Strip Lot A (Venous Blood, by Technician)
ACON[®] On-Call[®] Advanced Blood Glucose Monitoring System vs. YSI

System Accuracy Results for Glucose Concentration > 75 mg/dL		
Within ± 5%	Within ± 10%	Within ± 15%
100/180 (55.6%)	154/184 (83.8%)	176/180 (97.8%)

System Accuracy Results for Glucose Concentration < 75 mg/dL		
Within ± 5 mg/dL	Within ± 10 mg/dL	Within ± 15 mg/dL
15/20 (75.0%)	20/20 (100.0%)	20/20 (100.0%)



○ Safe and Convenient

- Worry-free from touching blood and/or needle
- **Strip ejector** allows easy and smooth strip disposal to avoid contamination



- **Lancet ejector** designed for convenient lancet release

- Individually foil wrapped test strips available for more convenience and ensured high accuracy



○ Simple and Quick Testing with Tiny Blood Sample

- Multiple testing sites including fingertip, palm and forearm
- Code chip allows for automatic calibration
- Just **two** steps of operation
- End-fill strips with **wicking action** make blood application as easy as a simple touch of the strip to the sample
- Accurate results available in just **5 seconds**
- Only **0.8 µL** blood sample needed