

# FORA<sup>®</sup> Diamond



## GD50



## Accurate Results Every Time



**100% of results in  
Zone A of Consensus  
Error Grid (CEG)\***

\*EN ISO 15197:2015 requires  $\geq 99\%$  in zones A and B.

## Diabetes Management Made Simple

- New Intuitive Sensing Technology (IST) with clinically validated accuracy
- Bluetooth Connectivity
- Easy to use with no coding
- Requires only 0.5 $\mu$ L blood sample
- Results in just 5 seconds



# FORA<sup>®</sup> Diamond GD50

## Diabetes Management Made Simple.

Created for patients who are simply concerned with accurate blood glucose measuring needs. Every detail is designed to excel in meeting patients' basic needs: a high quality blood glucose system, a lancing device with comfortable blood sampling, and a dedicated mobile app – iFORA BG.



## Accurate Results Every Time

FORA<sup>®</sup> Diamond GD50 is equipped with leading technologies that guarantees clinically accurate results. The innovative **Intuitive Sensing Technology (IST)** improves the accuracy and precision of the measurements by applying advanced measuring techniques.



### FORA® Lancing Device

- Depth indicator with six different settings
- Cocking control and release button to improve sampling control
- Lancet ejector

### Bluetooth®

Equipped with Bluetooth, FORA® Diamond GD50 allows seamless data sync and analysis with the iFORA BG mobile app.



iFORA BG



# Reliable Data Analysis and Communication

## Bridge the Gap Between Physician Care and Diabetes Self-Management

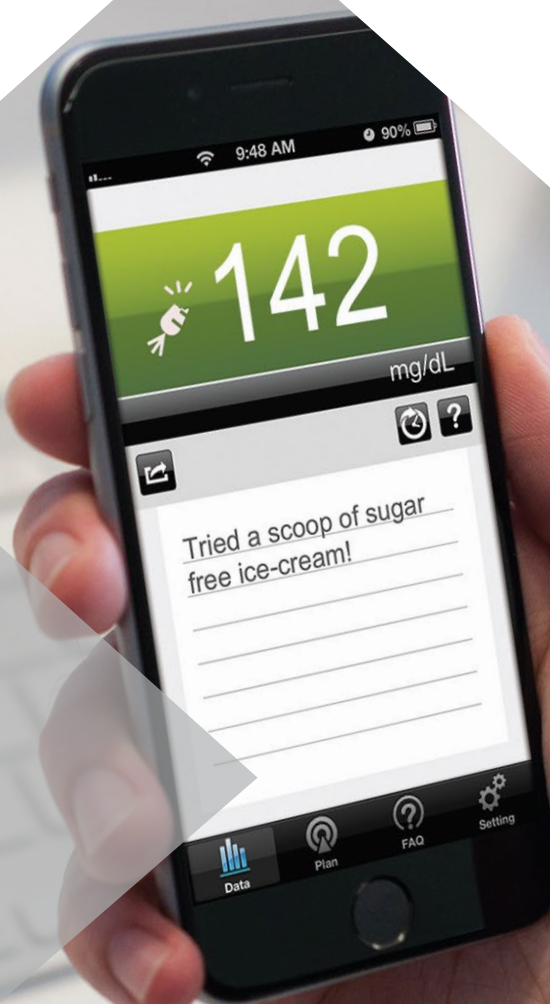
Caregivers and patients do not always have matching schedules to arrange face-to-face consultations. With that in mind, ForaCare Suisse AG has developed two platforms, to support the treatment of patients wherever they are: iFORA BG and FORA® Telehealth system.



Equipped with Bluetooth, FORA® Diamond GD50 allows seamless data sync and analysis with the **iFORA BG** mobile app.

### For patients – iFORA BG

The iFORA BG provides detailed and yet careful data management tools to assist patients with their diabetes management. Some of its key features include graphs that show trends. The app also allows communication with a telehealth system, empowering patients to communicate with their caregivers when they require treatment advice.





## For caregivers – FORA<sup>®</sup> Telehealth System

ForaCare's Telehealth system was created as a tool to help caregivers care for their patients wherever they are. The software provides a user-friendly interface, while offering a variety of reports including abnormal results review, abnormal measurement frequency review, and strip shortage monitoring.



# Outstanding Accuracy



FORA® Diamond's innovative technologies are backed up by strong evidence. What was great, just got better.

## System Accuracy Evaluation

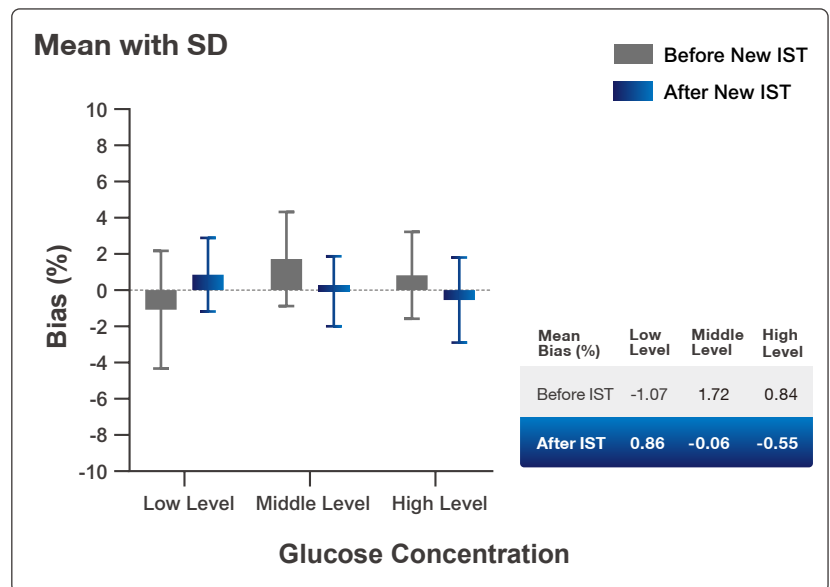
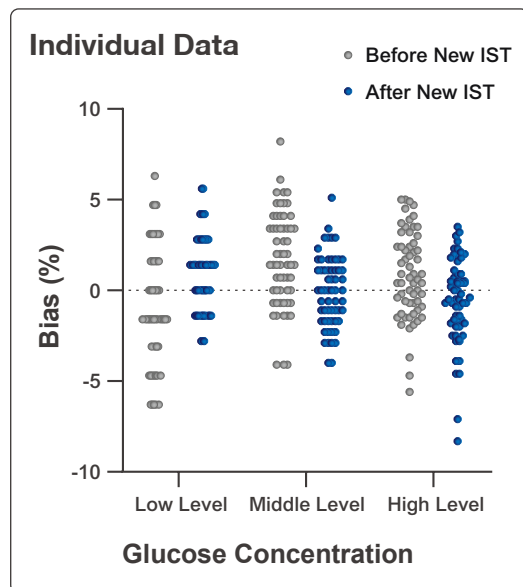
This report is intended to compare the performance of glucose measurement function for FORA® Diamond BGMS before and after the New IST based on the analysis from the existing data.

## Sample Distribution

The glucose concentration intervals were determined with YSI-2300 and adjusted by supplementing the venous blood sample with dextrose solution. Three samples were prepared with glucose concentrations in the intervals: 1) Low (<100 mg/dL), 2) Middle (100~200 mg/dL), 3) High (>500 mg/dL).

## Data Analysis

**Accuracy:** Bias (%) of individual result compared to the value of the reference method (YSI-2300) is calculated. The results are presented by graphs for individual values or their mean with SD.



**Precision:** for each glucose interval, the test results obtained from Diamond BGMS were calculated to determine its Mean, Standard Deviation (SD), and Coefficient of Variation (CV%)

		Low Level (<100mg/dL)	Middle Level (100-200mg/dL)	High Level (>500mg/dL)
Before New IST	Mean	63.3	149.5	540.5
	SD	2.07	3.82	12.87
	CV	3.27%	2.55%	2.38%
After New IST	Mean	72.6	174.9	560.9
	SD	1.45	3.39	13.23
	CV	2.00%	1.94%	2.36%

## Conclusion

This study shows that the FORA® Diamond Blood Glucose Monitoring System with the New IST upgrade has superior performance for accuracy and precision.

For accuracy, the Mean Bias (%) has shown to be lower across all blood glucose levels.

For precision, the new device has a lower SD at low levels. At middle and high levels, it has a considerably smaller CV.

## Reference

1. ForaCare Laboratory (2014). *Test Plan Report*. Document No. FC-800-4281100-001-C06.
2. ForaCare Laboratory (2019). *Test Plan Report*. Document No. FC03-0006315.

# Specifications



\*The product image is in real size.

## FORA® Diamond GD50 Meter

Model No.	GD50b
Unique Features	Universal Tone® IST Technology
Dimensions	88 (H) X 52 (W) X 16.9 (D) mm
Weight	50.8g (without Battery)
Ketone Warning	Yes. if $\geq 240$ mg/dL (13.3 mmol/L)
Meal Tag	Yes. General / Pre-meal (AC) / Post-meal (PC)
Daily Alarm	4 Alarms
Strip Indicator Light	Yes
Strip Ejection	Yes
Connectivity	Bluetooth (V4.0)
Memory Capacity	450 Memory Sets
Operating Condition	+10°C ~ +40°C
Storage Condition	-20°C ~ +60°C
Precision	CV < 5%
Day Average	7-, 14-, 21-, 28-, 60-, 90-Day
Power source	1 AAA Battery
Clinically Validated	Meet EN ISO 15197:2015 Standard



## FORA® Diamond Test Strips

Model No.	ACS044
Technology	ASSI Technology
Enzyme Type	GDH-FAD
Coding Type	No-Coding
Blood Sample Volume	0.5 $\mu$ L
Reaction Time	5 Seconds
Measuring Range	20 ~ 600 mg/dL (1.1 ~ 33.3 mmol/L)
HCT Range	20% ~ 60%
Applicable Sample Type	Capillary; Venous
Application	Dialysis; General Patient; Gestational

## ForaCare Suisse AG

Neugasse 55, 9000 St. Gallen, Switzerland

TEL : +41-71-220-1001

FAX : +41-71-220-1075

URL : [www.foracare.ch](http://www.foracare.ch)

E-mail : [chservice@foracare.com](mailto:chservice@foracare.com)

