

**GLUCOCARD™ 01**

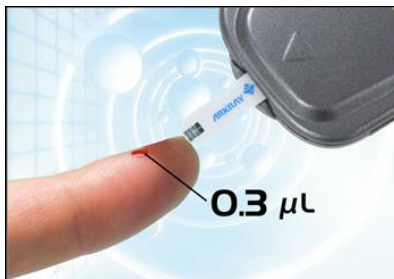
**Made in Japan**



# Features



**QUICK TEST TIME**



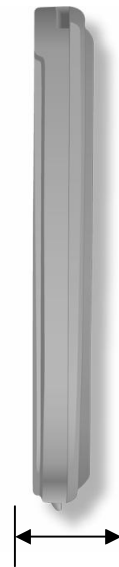
**MICRO SAMPLE VOLUME**

- **Design**  
Simple & Stylish design
- **Quick result**  
7 sec measurement time
- **Small Sample**  
0.3uL micro sampling
- **User-friendliness**  
Automatic calibration  
Autostart function

# Design

GLUCOCARD 01 fits in your life and creates new SMBG style.

Stylish design brings added value to the product and improves patients' Quality of Life.



**12mm (Thinnest in the world)**



# Quick result

Test result can be obtained just in **7 seconds**.

Testing becomes easier and no longer irritating for patients.



**QUICK TEST TIME**

# Small sample

Required sample volume is only **0.3uL**.

This micro sampling minimizes pain in pricking which is the biggest burden for patients and also minimizes failure in measurement due to a lack of sample volume.

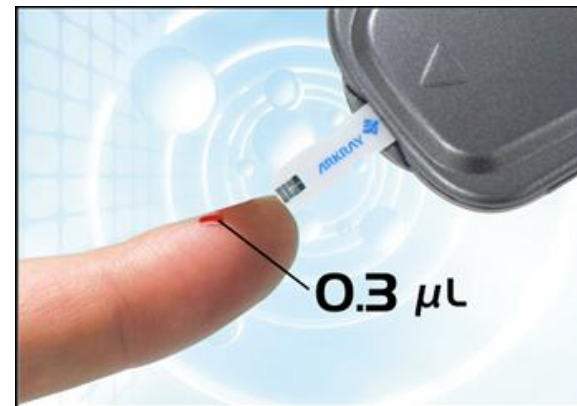
Multi-Lancet S is ideal for painless pricking.



**2uL**



**0.3uL ( 01-SENSOR )**



**MICRO SAMPLE VOLUME**

# User-friendliness

## Automatic Calibration

Calibration is automatically done by detecting sensor information when a sensor is inserted to the meter.

There is no need of manual calibration and no fear of getting wrong result due to users' neglecting / failing in calibration.

## Autostart Function

GLUCOCARD 01 automatically turns on when GLUCOCARD 01 SENSOR is inserted. There is no need to press a button.

Easy to Use  
(User)

=

Easy to Educate  
(Healthcare Provider)



# Specifications

- Measuring Time : 7 seconds
- Sample Volume : 0.3 ul
- Measuring Range : 10-600 mg/dl (0.6-33.3mmol/L)
- Calibration : Auto
- Button : 2 (hidden:No Button Concept)
- Memory : 360 tests
- External output : 1(one) connection terminal
- Power Source : 1(one) 3-volt lithium battery
- Battery life : Approximately 2,000 tests
- Size : 50mm x 100mm x 12mm
- Weight : 45g
- Method : Amperometric GOD

# Competitiveness

GLUCOCARD 01 is highly competitive in every aspect.

Manufacture	<b>ARKRAY</b>	Bayer	Abbott	Roche	Roche	Lifescan
Product	<b>GLUCOCARD 01</b>	Ascencia CONTOUR	Optium	ACCU-CHEK AVIVA	ACCU-CHEK ACTIVE	ONE TOUCH Ultra
Sample Volume (µL)	<b>0.3</b>	0.6	2.5	0.6	2.0	1
Test Time (Sec)	<b>7</b>	15	20	5	5	5
Meas.Range (mg/dl)	<b>10 to 600</b>	10 to 600	20 to 500	10 to 600	10 to 600	20 to 600
Calibration	<b>Auto</b>	Auto	Chip	Chip	Chip	Button Select
Memory (test)	<b>360</b>	240	450	500	200	150
Size (mm)	<b>50 x 100 x 12</b>	53 x 74 x 17	56 x 99 x 20	53 x 94 x 22	44x118x23	57 x 79 x 21
Weight (g)	<b>45</b>	52.3	78	60	57	43

# ACCU-CHEK Active

Item	ACCU-CHEK Active	GLUCOCARD 01
Assay method	Light Reflectance	<b>Ampero. GOD</b>
Sample Volume ( $\mu$ L )	2	<b>0.3</b>
Test Time ( Sec )	5	7
Meas. Range (mg/dl)	10 to 600	10 to 600
Calibration	Chip	<b>Auto</b>
Size ( mm )	118x44x23	<b>100 x 50 x 12</b>
Weight ( g )	57	<b>45</b>
Power source	One Coin Battery ( CR2032 )	One coin Battery ( CR2032 )
Button	2	2 (hidden)
Memory ( test )	200	<b>360</b>



# GLUCOCARD II

Item	GLUCOCARD II	GLUCOCARD 01
Assay method	Ampero. GOD	Ampero.GOD
Sample Volume( $\mu$ L )	3.0	0.3
Test Time ( Sec )	30	7
Meas. Range (mg/dl)	20 to 600	10 to 600
Calibration	Chip	Auto
Size ( mm )	56×97.8×14.5	50×100×12
Weight ( g )	60	45
Power source	Two Coin Battery ( CR2032 ) 3V	One Coin Battery ( CR2032 ) 3V
Button	1	2 (hidden)
Memory ( test )	120	360



# Ascensia CONTOUR

Item	Ascensia CONTOUR	GLUCOCARD 01
Assay method	Ampero.GDH	Ampero.GOD
Sample Volume ( $\mu$ L )	0.6	0.3
Test Time ( Sec )	15	7
Meas. Range (mg/dl)	10 to 600	10 to 600
Calibration	Auto	Auto
Size ( mm )	53×74×17	50×100×12
Weight ( g )	52.3	45
Power source	Two Coin Battery ( CR2032 ) 3V	One Coin Battery ( CR2032 ) 3V
Button	2	2 (hidden)
Memory ( test )	240	360



# Optium

Item	Optium	GLUCOCARD 01
Assay method	Ampero. GDH	Ampero.GOD
Sample Volume ( $\mu$ L )	2.5	0.3
Test Time ( Sec )	20	7
Meas. Range (mg/dl)	20 to 500	10 to 600
Calibration	chip	Auto
Size ( mm )	56×99×20	50×100×12
Weight ( g )	78	45
Power source	size AAA alkali cell	One Coin Battery ( CR2032 ) 3V
Button	1	2 (hidden)
Memory ( test )	450	360



# FreeStyle Flash

Item	FreeStyle Flash	GLUCOCARD 01
Assay method	Coulometric GDH	Ampero.GOD
Sample Volume ( $\mu$ L )	0.3	0.3
Test Time ( Sec )	7	7
Meas. Range (mg/dl)	20 to 500	10 to 600
Calibration	Button Select	Auto
Size ( mm )	41 x 76 x 20	50 x 100 x 12
Weight ( g )	39	45
Power source	Two coin Battery ( CR2032 )	One coin Battery ( CR2032 )
Button	3	2 (hidden)
Memory ( test )	250	360



# ACCU-CHEK Aviva

Item	ACCU-CHEK Aviva	GLUCOCARD 01
Assay method	Ampero.GDH	Ampero.GOD
Sample Volume ( $\mu$ L )	0.6	0.3
Test Time ( Sec )	5	7
Meas. Range (mg/dl)	10 to 600	10 to 600
Calibration	Code Chip	Auto
Size ( mm )	94 x 53 x 22	100 x 50 x 12
Weight ( g )	60	45
Power source	One Coin Battery ( CR2032 )	One Coin Battery ( CR2032 )
Button	2	2 (hidden)
Memory ( test )	500	360



# ONETOUCH Ultra

Item	ONETOUCH Ultra	GLUCOCARD 01
Assay method	Ampero.GOD	Ampero. GOD
Sample Volume ( $\mu$ L )	1	0.3
Test Time ( Sec )	5	7
Meas. Range (mg/dl)	20 to 600	10 to 600
Calibration	Button Select	Auto
Size ( mm )	79 x 57 x 21	100 x 50 x 12
Weight ( g )	43	45
Power source	One Coin Battery ( CR2032 )	One coin Battery ( CR2032 )
Button	2	2 (hidden)
Memory ( test )	150	360



# Lineup

- Test Strip : GLUCOCARD 01 SENSOR
- Control Solution: GLUCOCARD 01 CONTROL (L,N,H)
- Lancing Device : Multi-Lancet S
- Lancing Needle : Multilet Super Soft



Test strip, Control Solution, Lancing Device and Lancing Needle are not included in the GLUCOCARD 01 package.

# GLUCOCARD 01 SENSOR

## Features of GLUCOCARD 01 SENSOR

- Enzyme  
GOD (Glucose oxidase)
- Hematocrit Interference  
Bias: +30% ~ -30% for Hct. 20% ~ 60%
- Maltose Interference  
Not effected by monosaccharide such as maltose
- Stability 18 month  
( 3 months after opening bottle )
- Unique thin sensor bottle



# Carrying Case

All necessary tools can be compactly stored.



Test strip, Lancing Device and Lancing Needle are not included in the GLUCOCARD 01 package.

# Multi-Lancet S

## Features of Multi-Lancet S

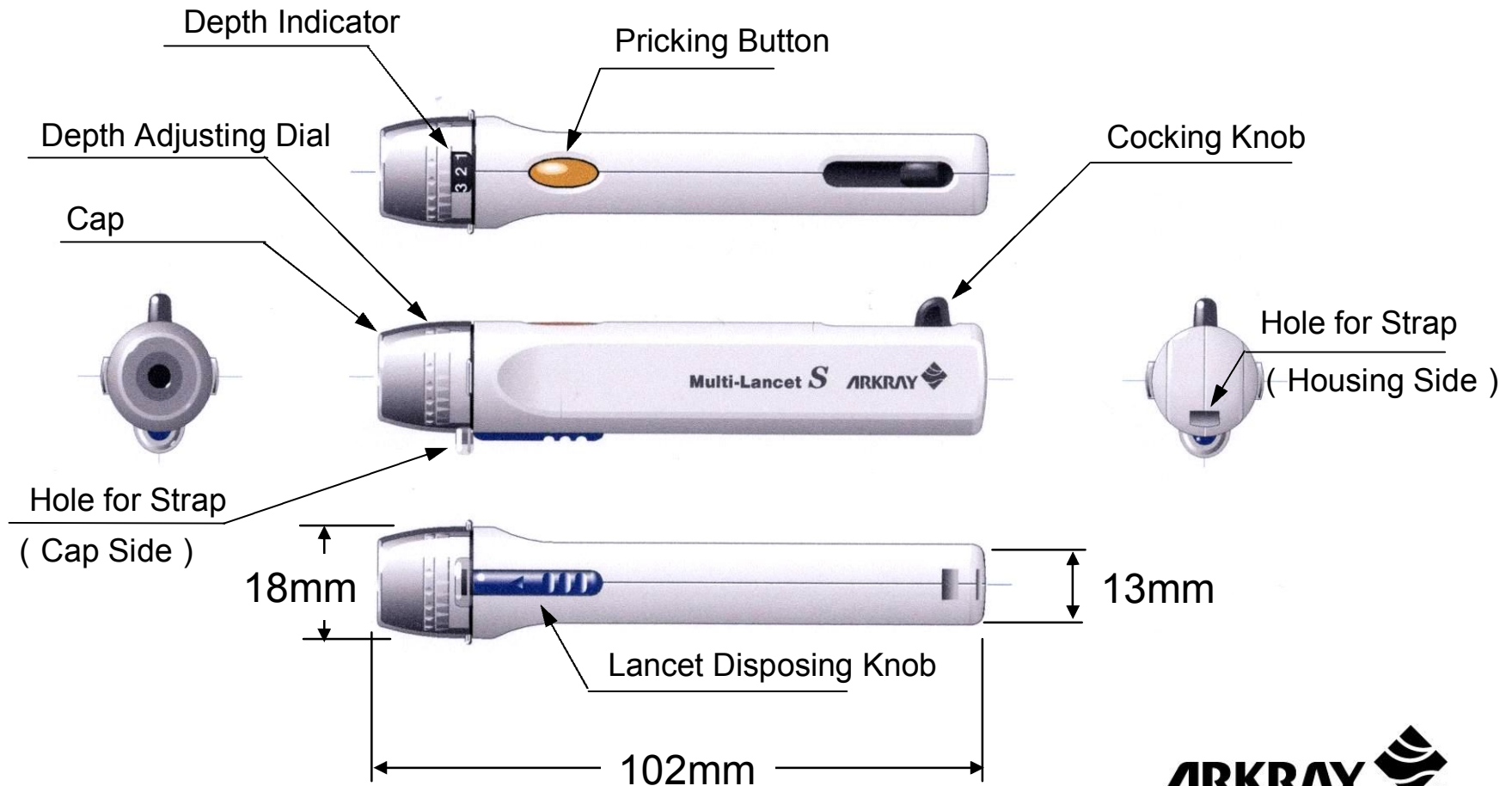
- Painless
- Easy Operation
- Safety Design
- Sample collection from both fingertip & forearm



Option : Forearm Cap

# Multi-Lancet S

## Handy & Simple Design



# Experience

**Experience as a pioneer in SMBG field proves reliance.**

**1972 “EYETONE” (OEM to Miles)**

World’s first portable glucose analyzer

Colorimetric, Reagent was supplied by Miles



**1979 “HEMASCOPE”**

Colorimetric, Reagent was supplied by ARKRAY

**1983 “GLUCOSCOT”**

Colorimetric, wiping

**1992 “GLUCOCARD” / “Glucometer ELITE (OEM to Bayer)”**

Amperometric, non-wiping, 60 seconds, 5uL



**1998 “Super GLUCOCARD II”, “GLUCOCARD II DATA”**

Amperometric, 30 seconds, 2uL



**2006 “GLUCOCARD 01”**

Amperometric, 7 seconds, 0.3uL



# Quality

## Made in Japan

- Developed with Japanese state-of-the-art technology.
- Meet world's highest quality standard.

## Global Standard

Conform to:

- ISO 9001
- ISO 13485
- IVD Directive (98/79/EC)
- MD Directive (93/42/EEC)

\*Certified by TÜV PRODUCT SERVICE GMBH



# Within-Run Reproducibility

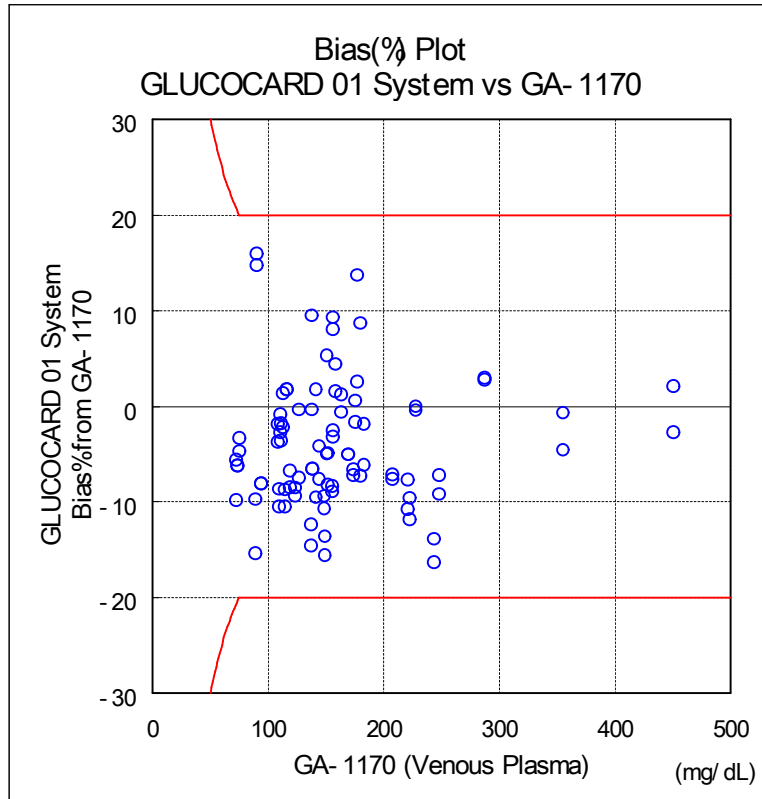
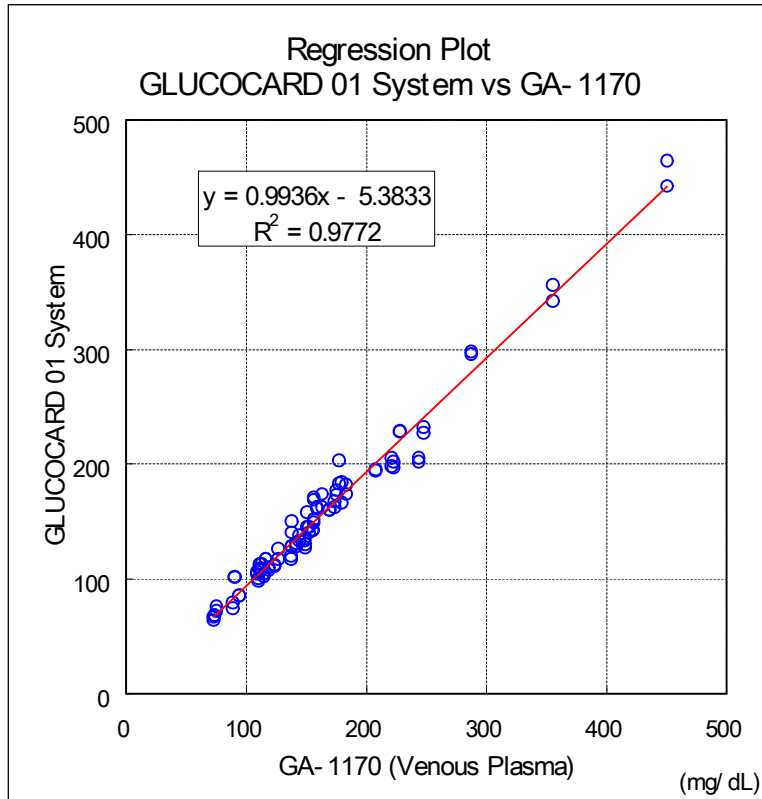
METER		Sample 1	Sample 2	Sample 3
GLUCOCARD 01	Mean(mg/dl)	70.7	118.6	362.1
	<b>CV(%)</b>	<b>2.8</b>	<b>2.3</b>	<b>1.9</b>

N= 3 0 (each level)

(In-house data)



# Correlation



※GA-1170 : Automatic Glucose Analyzer ( ARKRAY, Inc. )