

## Other important instructions while conducting a self test

- Do not expose the device or strip to direct heat or sunlight, always store and use the device between (10°C to 40°C / 50°F to 104°F).
- If device or strips is exposed to heat, bring the device to room temperature and perform a quality control check before self testing.
- Do not use the first drop of blood for testing, remove it with a piece of cotton swab and gently squeeze the finger for the second drop of blood for testing.
- Re-validate the device if dropped by conducting a Quality test.
- Do not keep the strip vial open or exposed to heat.
- Check the strip code every time a new strip vial is opened.
- Do not use damaged test strips in any way. Use test strips immediately after taking it out from the vial or foil packet; replace the vial cap and close tightly.
- Do not carry loose test strips in your carrying case.
- Do not use strips which is expired.
- Also, refer to the pack insert for more information.

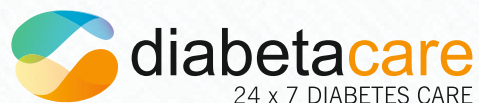
The glucometer is QC passed at the time of taking it (Check for the QC passed sticker behind the glucometer)

## How often quality check of the device to be done

- If the meter is dropped on an hard surface (eg: floor)
- If the values observed are not within the expected range (refer table)
- If the glucometer / strips are exposed to extreme heat or cold temperature. (10°C to 40°C / 50°F to 104°F).


Note: If the QC material is not available or not provided, please handover the glucometer to us for re-validation.

For more support  
Please call our Diabetes management centre:  
**Phone no: 1800-208-2222**



### INDIA

Bengaluru | Cochin | Chennai | Delhi | Hyderabad  
Lucknow

 **1800-208-2222**

[www.diabetacare.com](http://www.diabetacare.com)



## dCare Smart™ Glucometer (User Guide)



## About Device

dCare Smart™ Glucometer is used for monitoring your blood glucose levels only, not for diagnostic purpose, please interpret the results accordingly.

Consider results from Laboratory as ultimate for diagnosis (Contact your Doctor for more information)

A  $\pm 20\%$  variation in result are expected when compared with the Laboratory results and  $\pm 15\%$  to  $\pm 20\%$  variation is expected from Glucometer to Glucometer as per FDA (US Food & Drug Administration) and ISO (International Organisation for Standardization) Guidelines

## Laboratory vs Glucometer

Table: Laboratory values and expected acceptable variation with glucometer. Re-confirm by repeating the test if the variation are more.

As per FDA/ ISO Guidelines		
Expected differences in values when compared with laboratory results ( $\pm 20\%$ )		
Acceptable Low	Expected Value	Acceptable High
40	50	60
44	55	66
48	60	72
52	65	78
56	70	84
60	75	90
64	80	96
68	85	102
72	90	108
76	95	114
80	100	120
84	105	126
88	110	132
92	115	138
96	120	144
100	125	150
104	130	156
108	135	162
112	140	168
116	145	174
120	150	180
128	160	192
136	170	204
144	180	216
152	190	228
160	200	240
168	210	252
176	220	264
184	230	276
192	240	288
200	250	300
208	260	312
216	270	324

As per FDA/ ISO Guidelines		
Expected differences in values when compared with laboratory results ( $\pm 20\%$ )		
Acceptable Low	Expected Value	Acceptable High
224	280	336
232	290	348
240	300	360
248	310	372
256	320	384
264	330	396
272	340	408
280	350	420
288	360	432
296	370	444
304	380	456
312	390	468
320	400	480
328	410	492
336	420	504
344	430	516
352	440	528
360	450	540
368	460	552
376	470	564
384	480	576
392	490	588
400	500	600
408	510	612
416	520	624
424	530	636
432	540	648
440	550	660
448	560	672
456	570	684
464	580	696
472	590	708
480	600	720

Reference: US FDA / ISO

## Glucometer vs Glucometer

Table: Your glucometer values and expected acceptable variation with other glucometers. Re-confirm by repeating the test if the variation are more.



As per FDA/ ISO Guidelines		
Expected differences in values when compared with other glucometer <100 mg/dl ( $\pm 15\%$ ) / > 100 mg/dl ( $\pm 20\%$ )		
Acceptable Low	Expected Value	Acceptable High
43	50	58
47	55	63
51	60	69
55	65	75
60	70	81
64	75	86
68	80	92
72	85	98
77	90	104
81	95	109
85	100	115
84	105	126
88	110	132
92	115	138
96	120	144
100	125	150
104	130	156
108	135	162
112	140	168
116	145	174
120	150	180
128	160	192
136	170	204
144	180	216
152	190	228
160	200	240
168	210	252
176	220	264
184	230	276
192	240	288
200	250	300
208	260	312
216	270	324

As per FDA/ ISO Guidelines		
Expected differences in values when compared with other glucometer <100 mg/dl ( $\pm 15\%$ ) / > 100 mg/dl ( $\pm 20\%$ )		
Acceptable Low	Expected Value	Acceptable High
224	280	336
232	290	348
240	300	360
248	310	372
256	320	384
264	330	396
272	340	408
280	350	420
288	360	432
296	370	444
304	380	456
312	390	468
320	400	480
328	410	492
336	420	504
344	430	516
352	440	528
360	450	540
368	460	552
376	470	564
384	480	576
392	490	588
400	500	600
408	510	612
416	520	624
424	530	636
432	540	648
440	550	660
448	560	672
456	570	684
464	580	696
472	590	708
480	600	720

Reference: US FDA / ISO <http://www.diabetes.co.uk/blood-glucose-meters/iso-accuracy-standards.html>

## Expected error and problem solving

DISPLAY	DESCRIPTION	ACTION SUGGESTED
HI	Blood glucose result may be higher than 600 mg/dl or 33.3 mmol/L	Review proper testing procedure and perform a quality check with control solution. Repeat blood test, if "HI" still appears, call your Doctor immediately.
LO	Blood glucose result may be lower than 20 mg/dl or 1.1 mmol/L	Review proper testing procedure and perform a quality check with control solution. Repeat blood test, if "LO" still appears, call your Doctor immediately.

DISPLAY	DESCRIPTION	ACTION SUGGESTED
-	No result in memory.	You could still perform the test, your results are stored in the Diabetacare server safely.
	Temperature is above or below the operating range of test strips or device.	The result you have obtained may not be accurate. Move to an area with temperature between 10°C to 40°C (50°F to 104°F)
	Battery is low.	Change battery immediately.
E-H	Test strip unknown or may be damaged.	Perform the test with new test strip.
E-U	Test strip is used or test was not performed correctly.	Perform the test with a new test strip and follow the test procedure correctly.
No response when strip is inserted into the meter	Maybe: 1. Battery is dead. 2. Wrong strip was inserted. 3. Meter defective (contact us)	You have to: 1. Replace the battery. 2. Insert the test strip correctly. 3. Contact us for help.
No response when blood sample is applied to the strip	Maybe: 1. Blood sample not sufficient 2. Meter defective (contact us)	You have to: 1. Repeat test with sufficient sample. 2. Contact us for help.
Err 1	GSM Module is malfunction.	Contact us for help.
Err 2	Failure to connect to the base station.	Antenna or SIM card might be damaged. Contact us for help.
Err 4	Failure to synchronize the local date/time with base station.	Move to an area of better reception and try again. Contact us for help.
Err 5	Failure to connect to the server.	Move to an area of better reception and try again. Contact us for help.
Err 6	TCP/IP data transmission failure.	Move to an area of better reception and try again. Contact us for help.
Err 43	May be: 1. The amount of blood applied was too small, please repeat the test using a new test strip with a large drop of blood.  2. Defective test strip or meter	Wait for the blood sign appear before applying blood. Perform the test with a new strip and follow the test procedure correctly. If problem persists, contact customer care.