### Global Glucose Monitor List

**Country Name:** South Africa

#### **Important Information**

This list is compiled from a search via: Internet, literature, Baxter internal studies, information from government agencies, test strip leaflets, safety alerts, and direct information from the product manufacturers. While efforts have been made to provide accurate and current information, Baxter does not manufacture these glucose monitor or test strips and does not guarantee the initial or continued accuracy of this information. Please contact the manufacturer(s) of the glucose monitor and test strip to obtain the latest compatibility information before using in conjunction with EXTRANEAL (Icodextrin) peritoneal dialysis (PD) solution.

- 1. EXTRANEAL (Icodextrin) PD solution contains icodextrin. Maltose, a metabolite of icodextrin, may interfere with certain glucose monitors or test strips. This interference will result in a falsely elevated glucose reading using these monitors or test strips.
- 2. This interference may mask true hypoglycemia or lead to the erroneous diagnosis of hyperglycemia. Thus, a blood glucose reading within or above the normal range in a patient on EXTRANEAL (Icodextrin) PD solution, using these monitors or test strips, may mask true low blood sugar. This would cause a patient or health care professional to not take the appropriate steps to bring the blood sugar into a normal range. Or, a falsely-elevated blood glucose reading could cause a patient to get more insulin than needed. Both of these situations can lead to life-threatening events, including loss of consciousness, coma, neurological damage or death.
- 3. The dialysis unit or patient should contact the manufacturer(s) of the glucose monitor and/or test strips to determine if the monitor or test strips they are using are subject to interference by icodextrin or maltose, or if they measure only glucose. Also, consult the product information included with the glucose monitor and test strips.
  - The following list is for reference only. This list does not imply recommendation of these glucose monitors or test strips.
  - Identified compatibilities are shown in the table below. <u>ONLY</u> glucose-specific monitors and test strips should be used with patients on EXTRANEAL (Icodextrin) PD solution. Test strips are listed with their companion monitor if you use other strips, contact the manufacturer to verify that they are glucose-specific. The list provides the contact information of the more common, major brands of monitors/test strip manufacturers.
  - This is a non-comprehensive list, current as of May 2011 Absence of your specific glucose
    monitor or test strips from this list does <u>NOT</u> imply compatibility with EXTRANEAL (Icodextrin)
    PD solution. Always contact the manufacturer for current information. Baxter has no obligation
    to update the content of this list.

# **GLUCOSE MONITORS**

Updated May 2011

Glucose Monitor Brand	Compatible with Extraneal	Test Type*	Manufacturer
	(Icodextrin) PD solution		
	(Glucose-specific)		
Boots	Yes	GDH-NAD	
Omron HEA-214	Yes	<b>GDH-NAD</b>	Abbott Diabetes Care
Optium	Yes	<b>GDH-NAD</b>	www.abbottdiabetescare.com
<b>Optium Easy</b>	Yes	<b>GDH-NAD</b>	+27118582000
OptiumEZ	Yes	<b>GDH-NAD</b>	
Optium Xceed	Yes	<b>GDH-NAD</b>	
Optium Xido	Yes	<b>GDH-NAD</b>	
Precision PCx	Yes <sup>1</sup>	GDH-NAD, GO <sup>1</sup>	
Precision QID <sup>B</sup>	Yes	GO	
Precision Xceed	Yes	<b>GDH-NAD</b>	
Precision Xceed Pro	Yes	<b>GDH-NAD</b>	
Precision Xtra	Yes	<b>GDH-NAD</b>	

Description VALLE OV	¥71	GDH-NAD, GO <sup>1</sup>	
Precision Xtra OK	Yes <sup>1</sup>	GDH-NAD	
ReliOn Ultima	Yes	GDH-NAD	
Sof-Sense	Yes	GDH-NAD GDH-NAD	
Sof-Tact C	Yes	GDH-NAD GDH-NAD	
TrueSense	Yes	GDH-NAD	
FreeStyle 2	Yes <sup>2</sup>	GDH-FAD <sup>2</sup>	
FreeStyle <sup>2</sup>	No <sup>2</sup>	$GDH-PQQ^2$	
FreeStyle 3 <sup>2</sup>	Yes <sup>2</sup>	GDH-FAD <sup>2</sup>	
FreeStyle 3 <sup>2</sup>	No <sup>2</sup>	$GDH-PQQ^2$	
FreeStyle 5 <sup>2</sup>	Yes <sup>2</sup>	GDH-FAD <sup>2</sup>	
FreeStyle 5 <sup>2</sup>	No <sup>2</sup>	$\frac{\text{GDH-PQQ}^2}{\text{GDH-PQQ}^2}$	
FreeStyle Flash <sup>2</sup>	Yes <sup>2</sup>	GDH-FAD <sup>2</sup>	
FreeStyle Flash <sup>2</sup>	No <sup>2</sup>	GDH-PQQ <sup>2</sup>	
FreeStyle Freedom <sup>2</sup>	Yes <sup>2</sup>	GDH-FQQ GDH-FAD <sup>2</sup>	
	No <sup>2</sup>		
FreeStyle Freedom <sup>2</sup>	Yes <sup>2</sup>	$\begin{array}{c} \text{GDH-PQQ}^2 \\ \text{CDH-FA-P}^2 \end{array}$	
FreeStyle Freedom Lite <sup>2</sup>	Yes	GDH-FAD <sup>2</sup>	
FreeStyle Freedom Lite <sup>2</sup>	No <sup>2</sup>	$\begin{array}{c} \text{GDH-PQQ}^2 \\ \text{CDH-FAP}^2 \end{array}$	
FreeStyle Lite <sup>2</sup>	Yes <sup>2</sup>	GDH-FAD <sup>2</sup>	
FreeStyle Lite <sup>2</sup>	No <sup>2</sup>	GDH-PQQ <sup>2</sup>	
FreeStyle Mini <sup>2</sup>	Yes <sup>2</sup>	GDH-FAD <sup>2</sup>	
FreeStyle Mini <sup>2</sup>	No <sup>2</sup>	GDH-PQQ <sup>2</sup>	
FreeStyle Papillon <sup>2</sup>	Yes <sup>2</sup>	GDH-FAD <sup>2</sup>	
FreeStyle Papillon <sup>2</sup>	$No^2$	GDH-PQQ <sup>2</sup>	
FreeStyle Papillon Lite <sup>2</sup>	Yes <sup>2</sup>	GDH-FAD <sup>2</sup>	
FreeStyle Papillon Lite <sup>2</sup>	$No^2$	$GDH-PQQ^2$	
FreeStyle Papillon Mini <sup>2</sup>	Yes <sup>2</sup>	GDH-FAD <sup>2</sup>	
FreeStyle Papillon Mini <sup>2</sup>	$No^2$	$GDH-PQQ^2$	
FreeStyle Papillon Vision <sup>2</sup>	Yes <sup>2</sup>	GDH-FAD <sup>2</sup>	
FreeStyle Papillon Vision <sup>2</sup>	No <sup>2</sup>	GDH-PQQ <sup>2</sup>	
CoZmonitor	No	GDH-PQQ	
FreeStyle Tracker	No	GDH-PQQ	
Optium Mini	No	GDH-PQQ	
Optium Omega	No	GDH-PQQ	
Advance Intuition	Yes	GO	
Assure Platinum	Yes	GO	Arkray, Inc.
Assure Pro	Yes	GO	www.arkrayusa.com
Assure 3	Yes	GO	
Assure 4	Yes	GO	
GLUCOCARD 01	Yes	GO	
GLUCOCARD 01-mini	Yes	GO	
GLUCOCARD Vital	Yes	GO	
PocketChem EZ	Yes	GO	
GLUCOCARD X-meter D	No <sup>3</sup>	GDH-FAD <sup>3</sup>	
		1	1
Ascensia Breeze	Yes	GO	
	Yes Yes	GO GO	Bayer Healthcare
Ascensia Breeze		GO	
Ascensia Breeze Ascensia Brio Ascensia Confirm	Yes Yes	GO GO	www.bayerdiabetes.com
Ascensia Breeze Ascensia Brio Ascensia Confirm Ascensia Dex	Yes Yes Yes	GO GO	
Ascensia Breeze Ascensia Brio Ascensia Confirm Ascensia Dex Ascensia Entrust	Yes Yes Yes Yes	GO GO GO	www.bayerdiabetes.com
Ascensia Breeze Ascensia Brio Ascensia Confirm Ascensia Dex	Yes Yes Yes	GO GO	www.bayerdiabetes.com

Contour Link	Yes	GDH_FAD	
Contour TS	Yes	GDH-FAD	
Contour USB	Yes	GDH-FAD	
Didget	Yes	GDH-FAD	
Elite	Yes	GO	
Ente	TCS	00	
OneTouch InDuo	Yes	GO	
One Touch Ping	Yes	GO	Lifescan, Inc.
OneTouch Select	Yes	GO	www.lifescan.com
OneTouch SureStep	Yes	GO	+0800600345
OneTouch Ultra <sup>E</sup>	Yes	GO	
OneTouch Ultra 2	Yes	GO	
One TouchUltraLink	Yes	GO	
OneTouch UltraMini	Yes	GO	
OneTouch UltraSmart	Yes	GO	
OneTouch Verio	Yes	GDH-FAD	
One Touch Verio Pro	Yes	GDH-FAD	
One Touch Vita	Yes	GO	
SureStep Flexx	Yes	GO	
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Accu-Chek Aviva <sup>4</sup>	Yes <sup>4</sup>	Mut Q-GDH <sup>4</sup>	
Accu-Chek Aviva <sup>4</sup>	No <sup>4</sup>	GDH-PQQ <sup>4</sup>	Roche Diagnostics
Accu-Chek Aviva Combo <sup>4</sup>	Yes <sup>4</sup>	Mut Q-GDH <sup>4</sup>	www.roche-diagnostics.com
Accu-Chek Aviva Combo <sup>4</sup>	No <sup>4</sup>	GDH-PQQ <sup>4</sup>	www.accu-chek.com
Accu-Chek Aviva Combo	Yes <sup>4</sup>	Mut Q-GDH <sup>4</sup>	+27115044600
Accu-Chek Aviva Expert 4	No <sup>4</sup>	GDH-PQQ <sup>4</sup>	+2/113044000
Accu-Chek Aviva Nano 4	Yes <sup>4</sup>	Mut Q-GDH <sup>4</sup>	
Accu-Chek Aviva Nano <sup>4</sup>	No <sup>4</sup>	GDH-PQQ <sup>4</sup>	
Accu-Chek Inform II 4	Yes <sup>4</sup>	Mut Q-GDH <sup>4</sup>	
Accu-Chek Inform II <sup>4</sup>	No <sup>4</sup>	GDH-PQQ <sup>4</sup>	
Accu-Chek Performa <sup>4</sup>	Yes <sup>4</sup>	Mut Q-GDH <sup>4</sup>	
Accu-Chek Performa 4	No <sup>4</sup>	GDH-PQQ <sup>4</sup>	
Accu-Chek Performa Nano 4	Yes <sup>4</sup>	Mut Q-GDH <sup>4</sup>	
Accu-Chek Performa Nano 4	No <sup>4</sup>	GDH-PQQ <sup>4</sup>	
Accu-Chek Performa Combo 4	Yes <sup>4</sup>	Mut Q-GDH <sup>4</sup>	
Accu-Chek Performa Combo  Accu-Chek Performa Combo  4	No <sup>4</sup>		
Accu-Cnek Performa Combo	140	GDH-PQQ <sup>4</sup>	
Accu-Chek Active/S System	No	GDH-PQQ	
Accu-Chek Advantage A	No	GDH-PQQ	
Accu-Chek Comfort	No	GDH-PQQ	
Accu-Chek Compact	No	GDH-PQQ	
Accu-Chek Compact Plus A	No	GDH-PQQ	
Accu-Chek Complete System	No	GDH-PQQ	
Accu-Chek Go/Go S System	No	GDH-PQQ	
Accu-Chek GTS/GTS Plus	No	GDH-PQQ	
Accu-Chek Inform System	No	GDH-PQQ	
Accu-Chek Inform	No	GDH-PQQ	
Accu-Chek Integra System	No	GDH-PQQ	
Accu-Chek Plus	No	GDH-PQQ	
Accu-Chek Sensor	No	GDH-PQQ	
Accu-Chek Voicemate/Voice	No	GDH-PQQ	
Mate Plus System	No	GDH-PQQ	
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## Test Type\*

GO = glucose oxidase

**GDH-PQQ** = glucose dehydrogenase with pyrroloquinolinequinone (note: **GDO**, glucose-dye-oxidoreductase, is an **incompatible** PQQ-based method)

**GDH-NAD** = glucose dehydrogenase with nicotinamide-adenine dinucleotide

**GDH-FAD** = glucose dehydrogenase with flavin-adenine dinucleotide

Mut Q-GDH = glucose dehydrogenase with pyrroloquinolinequinone modified to eliminate maltose interference

### **References:**

A Baxter study 32386 (McGaw Park) Determination of potential interference of icodextrin and its metabolites on human blood glucose measurement using Accu-Chek compact and Advantage systems.

<sup>B</sup> Baxter report REP-NIV-RE-366 (Nivelles) Evaluation of potential interference in blood glucose determination (measured with enzymatic methods) for patients treated with icodextrin.

<sup>C</sup> Baxter report RD-01-RE-233 (McGaw Park) Evaluation of potential interference in the blood glucose test kit MediSense Sof-Tact with icodextrin and its metabolites.

<sup>D</sup> Baxter report Interim 3, 33541 (McGaw Park) Determination of potential interference of icodextrin and its metabolites on human blood glucose measurement using chosen glucometer-Glucocard X-Meter (Arkray).

<sup>E</sup> Baxter report Interim 1, 33541 (McGaw Park) Determination of potential interference of icodextrin and its metabolites on human blood glucose measurement using chosen glucometers.

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<sup>&</sup>lt;sup>1</sup> Two types of **compatible** test strips for Precision PCx and Precision Xtra OK.

<sup>&</sup>lt;sup>2</sup> These brand name monitors can utilize either GDH-PQQ (**incompatible**) or GDH-FAD (**compatible**) strips. <u>Consult manufacturer for additional information.</u>

<sup>&</sup>lt;sup>3</sup> This Arkray GDH-FAD monitor/test strip is **incompatible**. Consult manufacturer for additional information.

<sup>&</sup>lt;sup>4</sup> These brand name monitors can utilize either GDH-PQQ (**incompatible**) or **Mut Q-GDH** (**compatible**) strips. Consult manufacturer for additional information.