glucoCheck KEY

Test Strip

Warnings

- Healthcare professionals and other users testing multiple patients with this system should handle everything that has come into contact with human blood carefully to prevent transmitting infectious diseases, including sanitate objects.

 Please read this sheet and your Blood Gluovae Model diseases, including sanitized objects. P Flease read this sheet and your Blood Glucose Monitoring System Owner's Manual before you use this test string. Use only GlucoCheck Key Test Strips with GlucoCheck Key Blood Glucose Monitoring system to obtain accurate results, and be covered by the manufacturer's warranty. Results may be inaccurate when testing on patients with abnormally low blood pressure or those who are
- n shock
- For patients with impaired peripheral circulation, collection of capillary blood from the approved sample. For patients with impaired peripheral arculation, collection of capillary blood from the approved sample sites is not advised as the results might not be at twe reflection of the physiological blood glucose level. It may apply under the following circumstances: severe dehydration as a result of diabetic ketoaddosis or due to stress hyperdrighemis. hypersomaliar non-ketotic coma, shock, decompensated heart failure NYHA Class IV or persperal arterial occlusive disease.
 Keep the test strips and jancets away from small children. If swallowed, consult a doctor immediately for advice.
- awwee. Discard the used test strips and lancets according to your local infection control procedures. Patients undergoing oxygen therapy may yield falsely low results.

Intended Use

GlucoCheck Key Test Strips, when used together with GlucoCheck Key Blood Gluccee Monitoring system, allow your blood glucose levels to be measured by yourself at home or by healthcare professionals. It uses fresh whole blood samples from the finger, paint, upger arm and forearm. **This system is not intended for** use in the diagnosis or screening of diabetes molitiks, nor for the use on newborns.

About Alternative Site Testing (AST)

Alternative site testing (AST) is when individuals check their blood glucose levels using areas of the body other than the fingertip. The GlucoCheck (KEY Test Strips allow AST to be performed on sites other than the fingertip. We strongly recommend that you perform AST ONLY at the following times. During a pre-meal or fasting state (more than 2 hours since the last meal). Two hours or more after taking insulin.

- Two hours or more after exercise.
- Do NOT use AST if:

- Do NOT use ASI if: You think your blood glucose is low. You may not notice if you are hypoglycemic. Your AST results are inconsistent with the way you feel.
- You are testing for hyperglycemia.
 Your routine glucose results often fluctuate.

To obtain a blood sample from the alternative sites, please rub the puncture site for approximately 20 seconds before obtaining a blood drop as described in your Blood Glucose Monitoring System Owner's Manual.

- Limitations
- Hematocrit: The hematocrit level is limited to between 30% and 55%. Please ask your healthcare

- glucose tests. Lipemic Effects: Blood triglycerides up to 33.9 mmol/L do not affect the results significantly, but may
- affect results at higher levels. Altitude Effects: Altitudes up to 10,742 feet (3,275m) do not affect test results.
- The following compounds when determined to be in excess of their limitation and tested with the GlucoCheck KEY glucose meter may produce elevated glucose results:

Summary of substances and concentrations in excess of limitation with interference

Substance	Limiting Concentration (mg/dL)	Therapeutic / Physiologic Concentration Range (or Upper Limit) (mg/dL)	
Acetaminophen (Paracetamol)	> 6.25	0.45-3	
Ascorbic Acid	> 5	2	
Pralidoxime lodide	> 5	~ 10 (V Dose 500 mg)	

IMPORTANT: Do not use the test strips if they have expired.

- Test strips expire 6 months after first opening. Write the first opening date on the test strip vial when y first opened it.
- first opened it. Store the test strips in a cool, dry place between 4° C and 40° C and between 10% and 85% relative humidity. Keep the test strips away from direct sunlight. Do not store the test strips in high humidity. Store the test strips with their original vial 041%. Do not tarnsfer them to a new vial or any other containers. D on on touch the test strips with we hands. Use each test strip immediately after taking it out of the vial. (Gose the vial immediately after taking out a strip.

- strip.
 Keep the vial closed at all times.
 Do not bend, cut, or alter the test strip.

Strip Appearance 1. Absorbent Hole

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ATTENTION

- pply a drop of blood here. The blood will automatically be absorbed ~2 2. Confirmation Window his is where you confirm if enough blood has been drawn into the absorbent hole of the strip 3. Test Strip Handle
 - 3. less strip namule Hold this part to insert the test strip into the slot of the glucose meter 4. Contact Bars Insert this end of the test strip into the meter. Push it in firmly until it will go no
- Test results might be wrong if the contact bar is not **fully** inserted into the test slot. The front side of the test strip should face up when inserting the test strip. £
- t 🖁 Testing Your Blood Glucose

PLEASE WASH AND DRY YOUR HANDS BEFORE PERFORMING ANY TESTING.







STEP 2 Collects about a sample of 0.7 µL with the test strip. A sufficient quantity of blood is required for the test to provide accurate results. Touch the blood drop with the absorbent hole of the test strip, and wait until the confirmatis window is fully covered. **Do NOT** apply a smeared blood sample. The meter will start counting down.

STEP 3



EXAMPLE ONLY se refer to your Owner's Manual for more information.

The used lancet and test strip are potentially biohazardous. Please dispose of them carefully according to your local infection control procedures.

Reading Your Result

Your blood glucose readings deliver plasma equivalent results and are displayed in millimoles of glucose per liter of blood (mmol/L). The measurement range of this meter is 1,1-33.3 mmol/L.

Time of day	Normal plasma glucose range for people with diabetes		
Fasting and before meal	4.0 - 7.0 mmol/L		
2 hours after meals 5.0 - 10.0 mmol/L			

Blood glucose reference values may be individualised for Type 1, newly diagnosed, young, elderly and high

sult your healthcare professional regarding the appropriate blood glucose reference range for you.

Questionable or inconsistent results

Receivables of increases in terms of the set PLEASE NOTE: Unusually high or low blood glucose levels may be symptoms of a serious medical condition. If most of your results are unusually high or low, please contact your healthcare professional.

Quality Control Testing

Our control solutions contain a known amount of glucose that can react with test strips. You can check the Concentral additional schematic function and uncertainting additional and the schematic additional schematic additional additio

Chemical Components				
10%				
50%				
8%				
32%				

Additional Information for Healthcare Professionals

Always wear gloves and follow your facility's biohazard control policy and procedures when performing tests involving patient blood samples. Use fresh whole blood samples only. Healthcare professionals may use test strips to test capitary whole blood. Sample Size: 0.7 µL Reaction Time: 7 seconds System Measurement Range: 1.1 to 33.3 mmol/L Hematoorit Range: 30% to 55%

Accuracy

Accuracy Diabetes screets have suggested that glucose meters should be within 0.83 mmcl/L of the reference method when the glucose concentration is IsoSmmcl/L and be within ±15% of the reference method when the glucose concentration is IsoS mmcl/L or higher. The tables below diagolaph how often GlucoCheck KEY achieves this target. The chart is based on a study carried out on 160 patients (each patient was tested as times which had 960 test results) to see how well GlucoCheck KEY performed compared to 7542300 reference method results.

GlucoCheck KEY

Table 1 Accuracy results for glucose concentration < 5.55 mmol/L					
Within $\pm 0.28 \text{ mmol/L}$	Within ± 0.55 mmol/L	Within ±0.83 mmol/L*			
56.7% (143/252)	91.3% (230/252)	100% (252/252)			
Table 2 Accuracy results for glucose concentration ≥ 5.55 mmol/L					
Within ±5 %	Within ±15 %*				
45,9% (325/708)	81.9% (580/708)	96.5% (683/708)			

Within ±0.83 mmol/L or ±15 % 97.4% (935/960)

*Acceptance criteria in EN ISO 15197: 2015, 95% of all differences in glucose values (i.e., YSI-2300 -subspanned unternal to 10.000 10.000 and 10.000 and universities in galaxies states (a.g. 1002000) reference values concentration < 5.55 mmd/L. and within 115% for glucose concentration > 5.55 mmd/L. Note When GlucoCheck KEY Test Strips results are compared to the reference values, difference values belw 5.55 mmd/L are expressed in mmd/L, while these above 5.55 mmd/L are in percent.

User performance

Concentration GlucoCheck KEY A study evaluating glucose values from fingertip capillary blood samples obtained by 156 lay pers showed the following results:

Tested sites	Difference within ±0.28 mmol/L	Difference within ±0.55 mmol/L	Difference within ±0.83 mmol/L	
Fingertip	20/38 (52.6%)	34/38 (89.5%)	38/38 (100%)	
able 2 Difference distribu	tion for glucose concentratio	n ≥ 5.55 mmol/L		
Tested sites	Difference within ±5 %	Difference within ±10 %	Difference within ±15 % 114/118 (96.6%)	
Fingertip	54/118 (45.8%)	92/118 (78.0%)		

Tested sites	Difference within ±0.28 mmol/L	Difference within ±0.55 mmol/L	Difference within ±0.83 mmol/L		
Palm	23/57 (40.4%)	46/57 (80.7%)	57/57 (100%)		
Forearm	13/57 (22.8%)	44/57 (77.2%)	57/57 (100%)		
Upper arm	17/57 (29.8%)	48/57 (84.2%)	57/57 (100%)		
Table 4 Difference distribution for glucose concentration ≥ 5.55 mmol/L					
Tested sites	Difference within ±5 %	Difference within ±10 %	Difference within ±15 %		

Palm 36/103 (35.0%) 73/103 (70.9%) 102/103 (99%) Forearm 24/103 (23.3%) 70/103 (68.0%) 100/103 (97.1%) Upper arm 22/103 (21.4%) 61/103 (59 2%) 98/103 (95.1%)

he CV (%) is less than 5% both in intermediate precision and repeatability precision

Symbol Information

Precision

Symbol	Symbol Referent		Symbol	Referent	
IVD	In vitro diagnostic medical device		-	Manufacturer	
Ĩ	Consult instructions for use		EC REP	Authorized representative in the European Community	
X	Temperature limit Use-by date		8	Do not re-use	
Σ			CE	CE mark	
LOT	Batch code		Ø	Humidity limitation	
\wedge	Caution		REF	Catalogue number	

glucoCheck

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() IVD (10%) (10\%) (

For self-testing.