

MultiSure[®] GK

Blood Glucose and Ketone Monitoring System



Glucose and Ketone testing



Glucose and ketone testing



0.5 μ L for glucose
0.8 μ L for ketone



Autocoding



Large memory



PC link

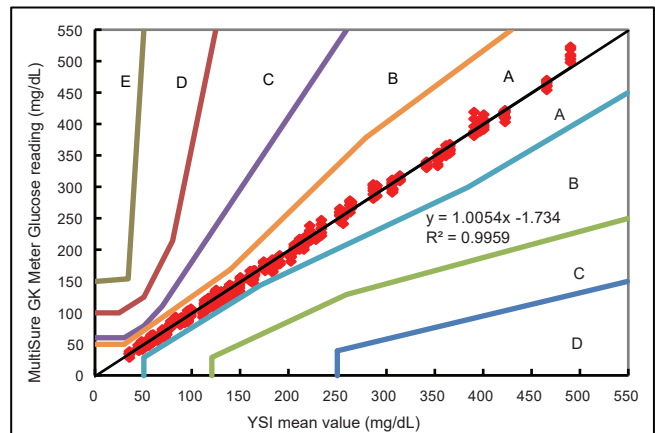


Bluetooth

Ketones are formed when there is not enough sugar or glucose to supply the body's fuel needs, the body turns to fat for energy. When fat is broken down, ketone bodies are made and can accumulate in the body⁽¹⁾. In an individual with diabetes, ketones are more likely to show up when there is not enough insulin in the body⁽¹⁾. Untreated high blood glucose with positive ketones can lead to a life-threatening condition called diabetic ketoacidosis (DKA)⁽²⁾. The MultiSure GK Blood Glucose and Ketone Monitoring System offers a quick and easy way to test for both glucose and ketone bodies in blood using separate test strips and determine the immediate risk for DKA. Blood glucose testing requires 0.5 µL of blood and result can be obtained in 5 seconds. Ketone testing requires 0.8µL of blood and result can be obtained in 8 seconds.

⁽¹⁾ Ketone (n.d.). University of California, San Francisco, Diabetes Education Online. Retrieved Oct. 23, 2014, from <http://dtc.ucsf.edu/types-of-diabetes>
⁽²⁾ Erika Gebel (2013). How to Avoid DKA, American Diabetes Association. Retrieved from <http://www.diabetesforecast.org/2013/mar/how-to-avoid-dka.html>

Glucose Testing Performance

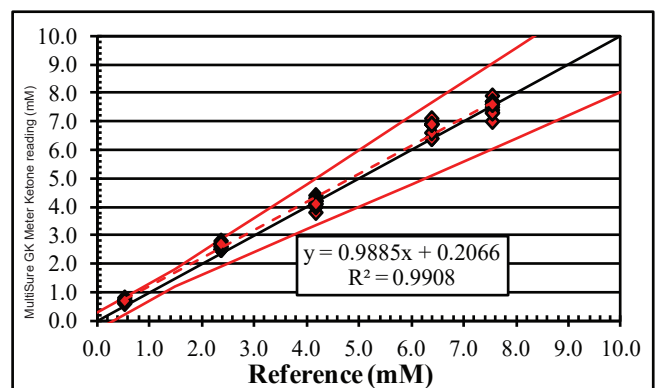


ISO 15197 : 2015		
Sample < 100 mg/dL		
±5 mg/dL	±10 mg/dL	±15 mg/dL
146 / 198	196 / 198	198 / 198
74%	99%	100.0%
Sample ≥100 mg/dL		
±5%	±10%	±15%
317 / 402	393 / 402	401 / 402
79%	98%	99.8%

Specifications

- **Measurement Range**
 Glucose: 20~600 mg/dL
 Ketone: 0.1~8.0 mmol/L
- **Sample Volume**
 Glucose: ≥ 0.5 µL / Ketone: ≥ 0.8 µL
- **Quick Testing Time**
 Glucose: 5 seconds / Ketone: 8 seconds
- **Hematocrit**
 Glucose: 10%~70% / Ketone: 20%~60%
- **Operating Temperature**
 5°C~45°C
- **Memory**
 Glucose: 500 test results / Ketone: 100 test results
- **Additional Features**
 PC link, Bluetooth (optional)

Ketone Testing Performance



Lot 1		
Mean.	S.D.	C.V.
0.7	0.05	--
2.6	0.11	4.0
4.1	0.17	4.1
6.8	0.24	3.5
7.5	0.26	3.4