TD-4206A

Multi-Functional Monitoring System

ISO 15197:2013
±15mg/dL&±15%

Glucose Ketone Cholesterol

FEATURES

- Display Glucose, Ketone, and Cholesterol Level
- Automatic Strip Identification System
- Test strips expiry date reminder function

2+2 Bio Signal | Strip Ejection | Large LCD Display | Memory Sets | HCT Range

SPECIFICATIONS

Meter	Ketone Warning	Yes
	Communication	Strip port
	Power Source	2 x AAA
	Memory Capacity	1000 sets
	Day Average	7, 14, 21, 28, 60, 90 days for blood glucose
	Daily Alarm	4 daily alarms
	Dimension	97 (L) x 62.2 (W) x 28.9 (H) mm
	Weight	67.5 g (without battery)
	Operating Condition	10°C ~ 40°C, below 85% R.H.
	Storage Condition	-20 ºC ~ +60 ºC (Meter); 2ºC ~ 32ºC (Strip)
Glucose	Enzyme Type	GDH-FAD
	Sample Size	0.8 µL
	Reaction Time	5 seconds
	Measurement Range	10 - 700 mg/dL (0.56 - 38.89 mmol/L)
	Hematocrit Range	0% - 70%
	Precision	SD < 5mg/dL (0.278mmol/L) if < 100mg/dL (5.56mmol/L); CV < 5% if ≥ 100mg/dL (5.56 mmol/L)
	Accuracy	≤ ±15mg/dL if < 100mg/dL; ≤ ±15% if ≥ 100mg/dL
	Package	Vial pack
Ketone	Sample Size	1.0 µL
	Reaction Time	10 seconds
	Measurement Range	0.1 ~ 8.0mmol/L
	Hematocrit Range	10% - 70%
	Precision	≤ 1mmol/L, SD < 0.1mM; > 1mmol/L, CV < 7.5%
	Package	Single foil pack
Cholesterol	Sample size	3.0 µL
	Reaction time	60 seconds
	Measurement Range	100 ~ 400 mg/dL
	Hematocrit Range	20% - 60%
	Precision	CV < 7.5%
	Package	Single foil pack

SPECIFICATIONS-Accessories

ACC-001	Bluetooth dongle
ACC-002	USB cable

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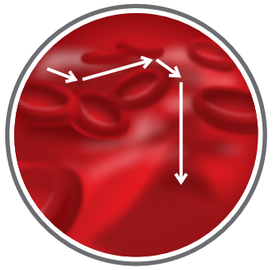
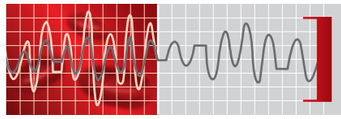
What is HCT?

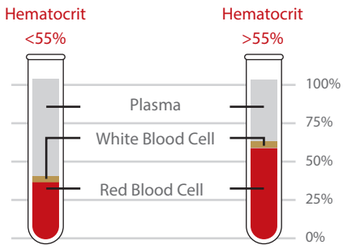


Hematocrit (HCT) is the percentage of the red blood cells in your blood. The higher HCT level will have lower blood glucose result, and the lower HCT level will have higher blood glucose result.

Hematocrit (HCT) level varies between individuals, normal HCT level for

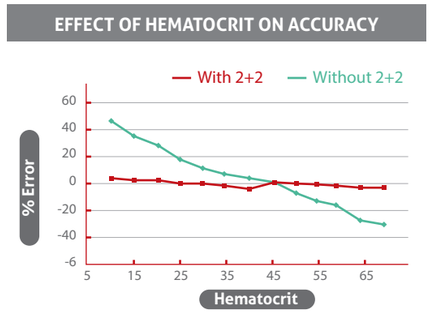
Adult Male	42% - 54%
Adult Female	38% - 46%
Kidney Dialysis Patients	> 33% - 36%

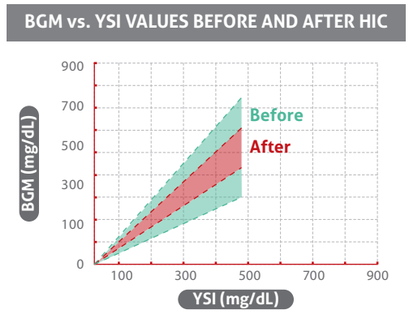




The Result

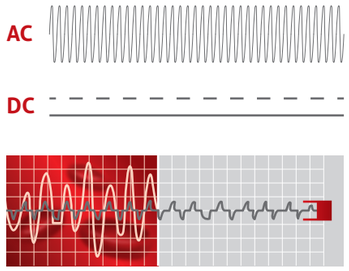
Simultaneous measurement of patient's hematocrit with algorithmic adjustment of glucose result.





Benefits of the 2 + 2 Technology

- TaiDoc patented 2 + 2 (HCT Interference Compensation; 2 enzymes plus 2 signals) technology uses two different wales on the strips to detect HCT value by AC signal and glucose value by DC signal.
- Utilizing AC signal is used to calculate the hematocrit value in order to compensate the correct value for fast, small volume, accurate test.
- Utilizing DC signal is to calculate the glucose value.

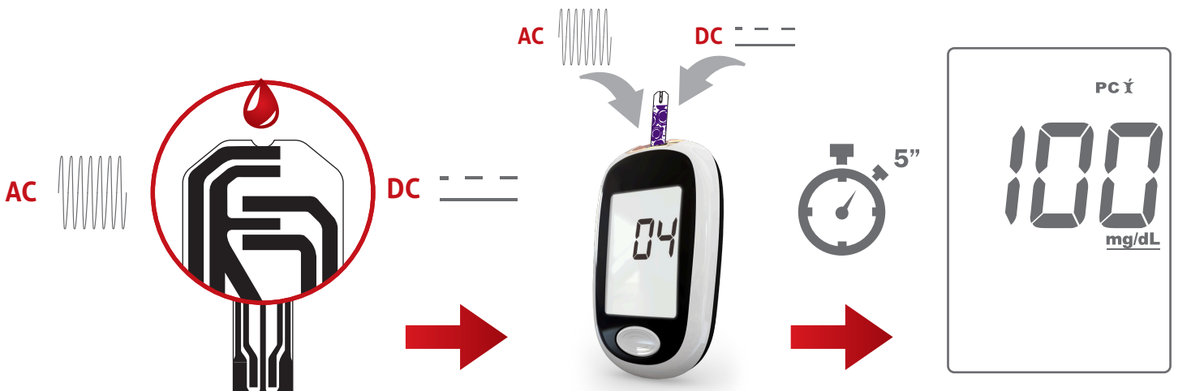


Why Measure Blood Ketone?

Ketones are a type of acid produced when there is a shortage of insulin in the blood and your body breaks down fat for fuel. The accumulation and elevated level of ketones will lead to diabetic ketoacidosis (DHA) which is a potentially life-threatening complication in diabetes patients, especially those with type1 diabetes.

American Diabetes Association now recommends testing your ketone level on sick days or blood glucose more than 300 mg/dL. A study in a New York Hospital also showed that if DKA was prevented at home, it could prevent physician visit, emergency department visit, and even hospital or intensive care admission.

Feature



Microprocessor (16 bit / 8 MIPS)

TaiDoc Ketone Testing Result

ß-ketone measurement result with 3 different lot (Reference method: ß-Hydroxybutyr LiquiColor)