

# TD-4279

## Multi-Functional Monitoring System



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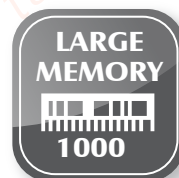
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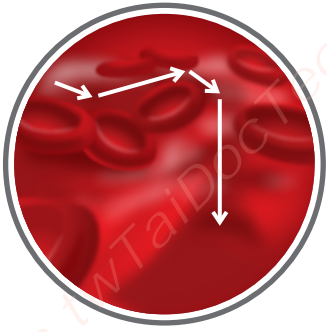


### FEATURES

- Display Glucose, Hematocrit and Ketone level
- Automatic Recognition of Quality Control Solution
- Automatic Strip Identification System
- Test strips Expiry Date Reminder Function



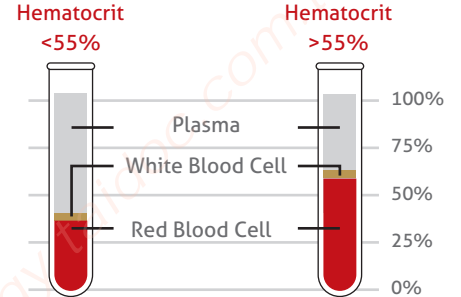
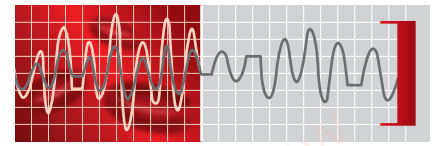
# What is HCT?



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

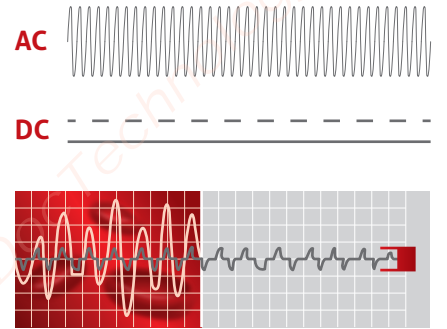
Adult Male	42% - 54%
Adult Female	38% - 46%
Kidney Dialysis Patients	> 33% - 36%



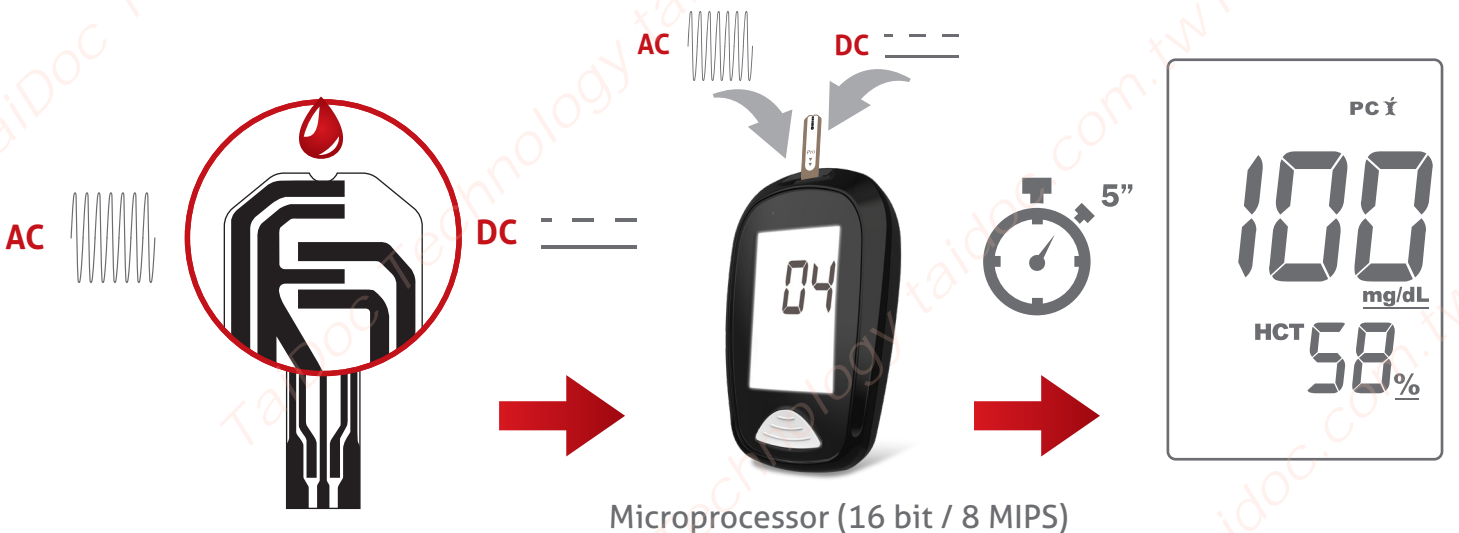
# Benefits of the 2 + 2 Technology



- 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.

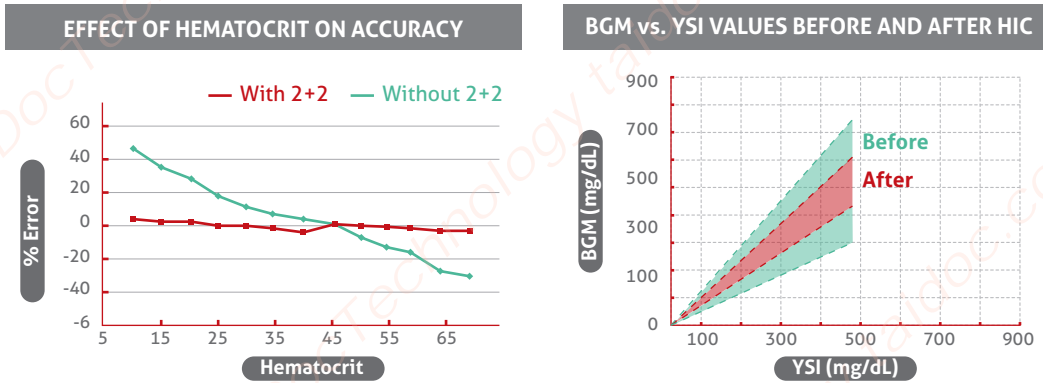


# Feature



# The Result

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



# Why Measure Blood Ketone?

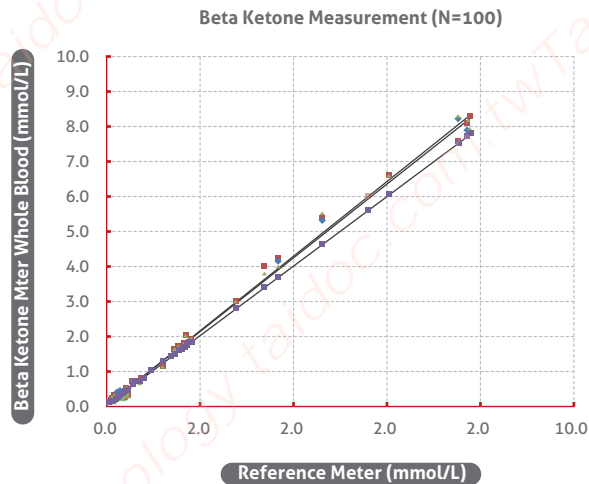


Ketones are a type of acid produced when there is a shortage of insulin in the blood and your body breaks down fat for fuel. The accumulation and elevated level of ketones will lead to diabetic ketoacidosis (DKA) which is a potentially life-threatening complication in diabetes patients, especially those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

# TaiDoc Ketone Testing Result

$\beta$ -ketone measurement result with 3 different lot (Reference method:  $\beta$ -Hydroxybutyrate LiquiColor)



## SPECIFICATIONS

<b>Meter</b>	Ketone Warning	Yes
	Communication	Strip port or Bluetooth
	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	96 (L) x 61 (W) x 26 (H) mm
	Weight	67.2 g
	Operating Condition	10°C ~ 40°C, and 10% ~ 85% R.H.
Storage Condition	-20 °C ~ +60 °C (Meter); 2°C ~ 30°C (Strip)	

<b>Glucose</b>	Enzyme Type	GDH-FAD
	Sample Size	1.0 µL
	Reaction Time	5 seconds
	Measurement Range	10 - 700 mg/dL (0.56 - 38.89 mmol/L)
	Hematocrit Range	0% - 70%
	Precision	CV < 5% if > 100 mg/dL; SD < 5 mg/dL if ≤ 100 mg/dL
	Accuracy	±15 mg/dL if ≤ 100 mg/dL; ±15% if > 100 mg/dL
	Package	Vial pack

<b>β-Ketone</b>	Sample Size	1.0 µL
	Reaction Time	10 seconds
	Measurement Range	0.1 ~ 8.0 mmol/L
	Hematocrit Range	10% - 70%
	Precision	≤ 1 mmol/L, SD < 0.1 mM; > 1 mmol/L, CV < 7.5%
	Package	Single foil pack

<b>Shipping Info</b>	Units Per Carton	48
	Gross Weight Per Carton	14.8 kg
	Carton Size	45.6 (L) x 37.8 (W) x 36.8 (H) cm