

# THE EDGE™

## Handheld Lactate Analyzer

- ◆ Advance Biosensor Test Strips
- ◆ Low Blood Volume Required
- ◆ Fast Siphoning Action
- ◆ Fast Testing Time
- ◆ Large LCD Display
- ◆ Date and Time Stamped Memory
- ◆ Easy operation
- ◆ Small Size
- ◆ PC Interface
- ◆ Enables More Efficient Training Plans



**ApEXBio**  
TAIWAN



# THE EDGE™

## Handheld Lactate Analyzer

*The EDGE™ Handheld Lactate Analyzer - Simple to use, accurate reading in 45 seconds*

The **EDGE™** Handheld Lactate Analyzer is a handheld device that measures lactate concentration in blood as a mean for athletes and coaches to accurately assess the capability of the muscles for an athletic performance. Lactate measurement in blood is far more precise than the old and inefficient method of using percentages of maximum heart rate to set training zones.

The **EDGE™** Handheld Lactate Analyzer only needs a small drop of blood (< 3 $\mu$ L) from a finger tip or ear lobe to be placed on the ergonomically designed **EDGE™** Lactate Test Strips. The test strips have siphoning action which can draw the blood in, and is measure by advanced biosensor based test strip that is specific to lactate concentration in blood. A numeric result is displayed via easy to read, large LCD screen in less than 45 seconds with both date and time, and the result is comparable to laboratory reference standard.

The **EDGE™** holds up to 300 results, each date and time stamped, and users can transfer these results into a PC for in depth analysis. The **EDGE™** Handheld Lactate Analyzer can be use by coaches, trainers, sports scientists and sports medicine personnel; in training of individuals and teams at all levels of competition, or as a flexible and inexpensive tool complementary to laboratory analysis.



### Specification:

Measuring Range	6~200 mg/dL (0.7~22.2 mmol/L)
Sample Volume	3 $\mu$ L whole blood
Measuring Time	45 sec.
Precision	mCV <5%
HCT % Range	35% ~ 50%
Operating Environment	10°C ~ 40°C · Humidity 20%~80%(RH)
Battery Life	Approximately 1000 tests
Calibration	Extetnal code card
Memory Capacity	300 Sets with Date and Time
Temperature Compensation	Auto-sensing compensation
Battery Source	1x CR2032 3.0V Lithium battery
PC Interface	RS 232
Audible Beep	Yes
Weight	64 g with battery

