

# THE EDGE™

Blood Lactate Monitoring System



Large display



3  $\mu$ L



PC link



45 sec.

Quick result



Pocket size



300 memory  
with date&time



**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 (< 3µL) 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.

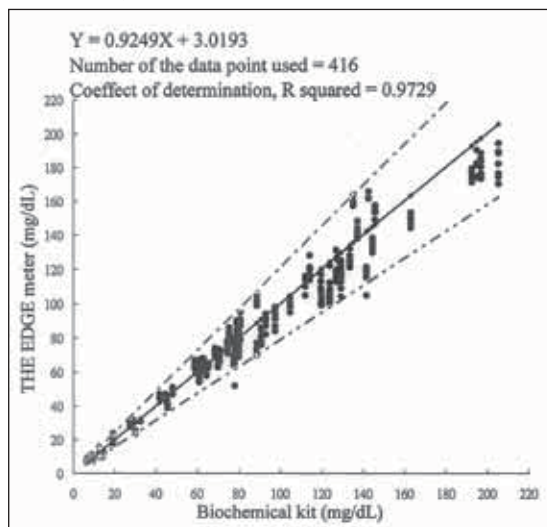
The EDGE™ holds up to 300 results, each date and time stamped, and users can transfer these results into a PC for in depth analysis. The EDGE™ Handheld Lactate Analyzer can be use by coaches, trainers, sports scientists and sports medicine personnel; in training of individuals and teams at all levels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

**Specifications**

- **Measuring Range**  
6~200 mg/dL (0.7~22.2 mmol/L)
- **Sample Volume**  
3µL whole blood
- **Measuring Time**  
45 seconds
- **Hematocrit**  
35% ~ 50%
- **Operating Temperature**  
10°C~ 40°C
- **Calibration**  
External code card
- **Memory Capacity**  
300 sets with date and time
- **PC Interface**  
RS 232
- **Weight**  
64g with battery

**THE EDGE Clinical Performance**

**Accuracy**



**Precision**

Reagent Lot LS 001B				
Number of Readings	10	10	10	10
Average(mg/dL):	20.0	69.2	101.2	154.2
Mean SD (mg/dL):	1.0	1.1	1.5	2.5
Mean CV %:	5.1	1.6	1.5	1.6