

Simplified Blood Lactate Test Meter

Lactate Pro™ LT-1710

A blood lactate test meter in the size of a credit card, the "Lactate Pro" speedily measures lactate with only a small sample of blood. Realizing the C. V. 3%, "Lactate Pro" is proud of its high precision and performance, equivalent of large-scale testing instruments.



Only a 5µL blood sample is required.

Speedy measurements in 60 sec.

High performance in a small size.



- Required blood sample volume is 5µL.
- Measurements completed in 60 seconds.
- High data precision of C.V. 3%.
- The size of a credit card, the smallest in the world.
- Stores up to 20 measurement results and can average past results.

Lactate Pro™ LT-1710

Simplified Blood Lactate Test Meter

With only 5µL of blood and simple operation, "Lactate Pro" provides accurate blood lactate level in 60 seconds.

"Lactate Pro" adopts the electrochemical measurement method utilizing enzyme reaction. The operation has been further simplified. As little as 5µL of blood is enough for a measurement. Furthermore, the wiping of excess blood and other troublesome

preparation are not required. Measurements are completed in a mere 60 seconds. The automatic aspiration of blood greatly reduces the risk of human error, and thus provides accurate blood lactate level without involving any manual operation.

■ Speedy measurements and simple operation



1 Insertion of the test strip.



2 Collection of blood.



3 Start of measurement.



4 Display of blood lactate level.

- 1 Insert the test strip into the strip inlet of the meter.
- 2 Before collecting 5 µL of blood from your finger, wash and dry your hands.
- 3 Blood is automatically aspirated and measurement begins.
- 4 The measurement result is displayed in 60 seconds.

High data precision of C.V. 3% satisfies the needs of clinical testing.

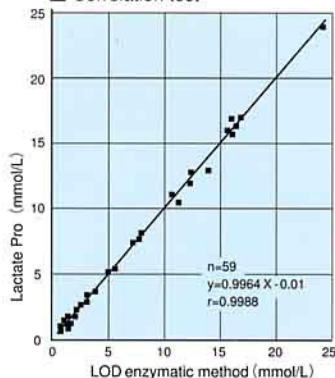
With the high repeatability of C.V. 3%, "Lactate Pro" is able to be used not only in physical training but also useful for clinical testing. Thus, "Lactate Pro" provides reliably precise data equivalent to that of large-scale testing equipment and also maintains good correlation with conventional lactate test meters.

■ Repeatability test

| n | Sample 1 | Sample 2 |
|------|----------|----------|
| 1 | 2.1 | 11.2 |
| 2 | 2.3 | 11.4 |
| 3 | 2.3 | 11.4 |
| 4 | 2.1 | 11.4 |
| 5 | 2.2 | 11.3 |
| 6 | 2.2 | 11.7 |
| 7 | 2.3 | 11.4 |
| 8 | 2.2 | 11.4 |
| 9 | 2.2 | 11.9 |
| 10 | 2.2 | 12.0 |
| 11 | 2.1 | 11.4 |
| 12 | 2.2 | 12.0 |
| 13 | 2.1 | 12.1 |
| 14 | 2.2 | 11.8 |
| 15 | 2.2 | 11.8 |
| mean | 2.2 | 11.6 |
| S.D. | 0.07 | 0.30 |
| C.V. | 3.2 | 2.6 |

mmol/L

■ Correlation test



A credit card size meter is very convenient for mobile use.

Measuring 83.8 x 55.0 x 14.5 mm, the smallest of its kind in the world, "Lactate Pro" requires only a limited space. Further, weighing only 50g, it is easy to carry about. Whenever and wherever necessary, accurate blood lactate levels can be obtained.

Memory function for the benefit of data management. Up to 20 measurement results can be stored.

From the latest test result, up to 20 previous measurements can be recorded. Furthermore, the average of the past 20 measurement results can be displayed for the benefit of better data management and analysis.

Specifications

● Meter

| | |
|--------------------------|--------------------------------------------------------------------------------------|
| Test | Lactate in whole blood |
| Sample size | Approximately 5µL |
| Test strip | Exclusive Lactate Pro™ Test Strip |
| Measuring range | 0.8~23.3mmol/L |
| Measuring time | 60 seconds |
| Temperature compensation | Automatic compensation using a built-in sensor |
| Calibration | Automatically selects the appropriate calibration curve by using a calibration strip |
| Power source | Two 3-volt lithium batteries(DL or CR2032) |

| | |
|-----------------------|---------------------------------------------------------------|
| Battery life | Approximately 1000 tests |
| Operating environment | Temperature range 10° -40° C (50° -104° F), Humidity 20-80%RH |
| Dimensions | 83.8(L) × 55.0(W) × 14.5(H) mm |
| Weight | 50g |

● Test Strip

| | |
|--------------|--------------------------------------------|
| Storage | Store at room temperature lower than 30° C |
| Expiry | 1 year after production |
| Package unit | 25 strips/box |

Design and specifications may be subject to change without notice.

ARKRAY, Inc.

KYOTO MIYUKI Bldg. 10F, 689 Takanna-cho,
Nakagyo-ku, Kyoto 604-8153, JAPAN
TEL.: +81-75-662-8967, FAX: +81-75-662-8973,
<http://www.arkray.co.jp/english>