



# Lactat Photometer plus DP 110

The professional partner for performance diagnostic and prediction

Diaglobal's Lactat Photometer plus determines the parameters **lactate**, **glucose** and **haemoglobin**.

The haemoglobin value does not need to be measured separately but is determined by the device during the lactate measurement and shown immediately in the display. Lactate may be measured as fast single measurement (measuring time 1 minute) or as series measurement (up to 20 samples simultaneously).

The Lactat Photometer is known for delivering extremely precise results. This is guaranteed not least by the measuring principle based on the proven wet-chemical examination method. Diaglobal GmbH regularly participates in surveys conducted by the Referenzinstitut für Bioanalytik (Reference Institute for Bioanalytics) in Bonn. This guarantees a consistent high quality of instrument and reagent.

The carrying case, which contains all required accessories, guarantees the user's mobility at any time.

Lactate is the most important indicator in sports medicine for evaluating the physical fitness. During the last years two more parameters have become extremely important in performance diagnostic: Glucose (control of carbohydrate supply) and the control of Haemoglobin (oxygen transport capacity).

Besides performance diagnostic and performance prediction, the most important field of application are emergency diagnostics (evaluation of states of shock, cardiovascular collapse, cardiac insufficiency and arrest respectively).

## Lactat Photometer plus

- Size: 19.5 x 10.0 x 4.5 cm
- Weight: 0.4 kg
- Wavelength: 520 nm
- Data printout via RS232C interface by Diaglobal printer DZ 008
- Mains or battery (9V)-operated
- Photometric inaccuracy < 0,5 % at E = 1.000

## Ready-to-use tests

- LAC 142 Lactate  
for series measurements of up to 20 samples simultaneously,  
total measurement time: 3-5 minutes
- LAC 342 Lactate Rapid  
for single measurements,  
total measurement time: 1 minute
- GLU 142 Glucose  
Haemoglobin is calculated by the device

## Sample material

10 µL capillary or venous blood, plasma, liquor

## Log sheets

According to the guidelines of the German Medical Association\*, a test sample of point-of-care diagnosis with unit-use-reagents must be measured at least once per week and the results recorded. Diaglobal provides log sheets for all parameters free of charge and will answer questions for evaluation

\* Richtlinie der Bundesärztekammer zur Qualitätssicherung laboratoriumsmedizinischer Untersuchungen  
Deutsches Ärzteblatt I Jg. 111 I Heft 38 I 19. September 2014

## Control for quality assurance

- LAC QS Lactate control set  
2.00 / 4.00 / 10.0 mmol/L
- DIA QS Glucose- and Lactate-control

## Carrying case optional

Size: 45 x 36 x 14 cm

Weight: 2.8 kg

Contents: photometer, power unit, battery, 10µL capillaries, micropipettor, cuvette rack, disposable bag, accessories box, writing utensils



Complies with the requirements of Directive 98/79/EC, Annex I and the standards  
EN ISO 9001, EN ISO 13485, EN ISO 14971, EN 13640 and EN 61010