

## Photometer overview

### Vario Photometer II DP 310 Mobile Laboratory Vario II

Appropriate for doctors surgeries, for prophylactic medicine, bedside-testing, performance diagnostics and emergency diagnostics

- ALAT/GPT
- ASAT/GOT
- CRP
- CK-NAC
- CK-MB
- Cholesterol
- HDL-Cholesterol
- LDL-Cholesterol will be calculated
- Creatinine
- Erythrocytes
- Glucose
- Haematocrit
- Haemoglobin
- Lactate
- Lactate-Rapid
- Magnesium
- Protein
- Triglycerides
- Urea
- Uric acid

### Duo Photometer plus DP 210

Especially appropriate for determination of the Neonatal Bilirubin, for midwives, infant units, birth centres and home births

- Bilirubin neonatal
- Bilirubin
- Haemoglobin
- Erythrocytes
- Haematocrit

### Vario Photometer DP 300 Mobile Laboratory Vario plus

Appropriate for doctors surgeries, for prophylactic medicine, bedside-testing, performance diagnostics and emergency diagnostics

- Alcohol
- Bilirubin
- Bilirubin neonatal
- Cholesterol
- HDL-Cholesterol
- LDL-Cholesterol will be calculated
- Creatinine
- Erythrocytes
- Glucose
- Haematocrit
- Haemoglobin
- Iron
- Lactate
- Lactate-Rapid
- Protein
- Triglycerides
- Urea
- Uric acid

### Duo Photometer DP 200

Especially appropriate for gynaecological surgeries for determination of the Haemoglobin

- Haemoglobin
- Erythrocytes
- Haematocrit

### Vario Photometer DP 300 Mobile Laboratory Vario

Appropriate for doctors surgeries, for prophylactic medicine, bedside-testing, performance diagnostics and emergency diagnostics

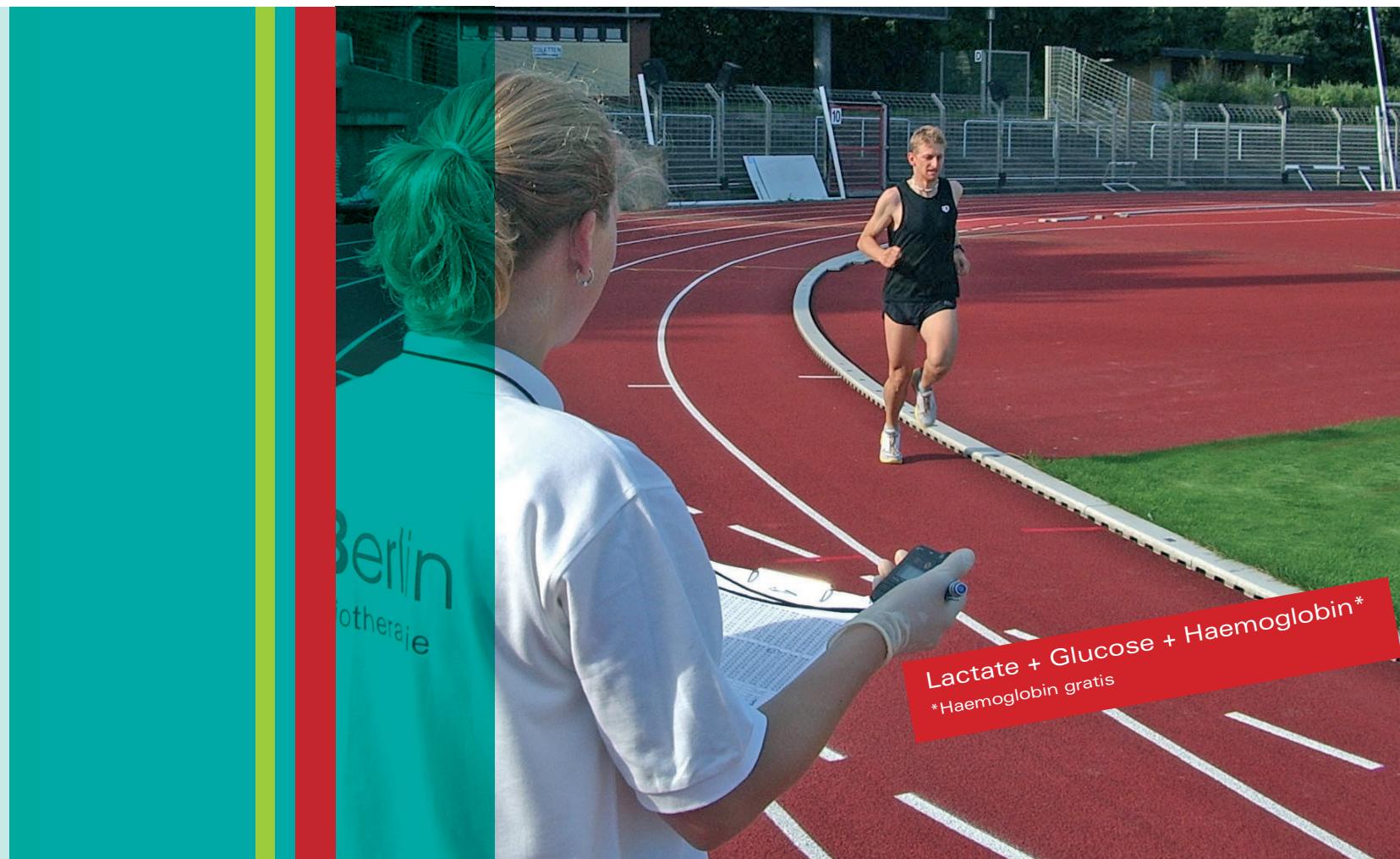
- Alcohol
- Cholesterol
- Erythrocytes
- Glucose
- Haematocrit
- Haemoglobin
- Lactate
- Lactate-Rapid
- Triglycerides

### Lactat Photometer plus DP 110

Especially appropriate for performance diagnostic and performance prediction in the sports area

- Lactate
- Lactate-Rapid
- Glucose
- Haemoglobin will be calculated

## Lactat Photometer plus DP 110



The professional partner for performance diagnostic and prediction

# Lactat Photometer plus – Intuitive, fast, rugged

Diaglobal's Lactat Photometer plus determines the following parameters **Lactate, Glucose, 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 plus is characterised by an extraordinary high accuracy of the test results. It is assured primarily by the measuring principle, which is based upon the reliable wet-chemical photometric method. Continuous inspections by independent reference institutions (INSTAND and DGKL) ensure the user a constant high quality of the device and reagent. The reagent is ready for use and supplied in round cuvettes. Only the sample needs to be added.

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).



## Data log printout over PC

We offer different software solutions. For the detailed demonstration and evaluation of data including lactate analysis, lactate performance curve, performance comparison, training recommendation and goal timing we offer different software solutions.

## Lactat Photometer plus

- Size: 19.5 x 10.0 x 4.5 cm
- Weight: 0.4 kg
- Wavelength: 520 nm
- Saves all measured values
- RS 232C interface
- 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, venous blood, plasma, liquor

## Control for quality assurance

- LAC QS Lactate control set 2,4 and 10 mmol/L
- DIA N Dianorm control serum for normal range
- DIA P Diapath control serum for pathological range

## Carrying case

Size: 45 x 36 x 14 cm  
Weight: 2.8 kg  
Contents: photometer, power unit, battery, 10 µL capillaries, micropipettor, cuvette rack, rubbish bin, accessories box, writing utensils