



# Duo Photometer DP 200

The reliable partner in the gynaecological practice

The Duo Photometer determines the parameters **haemoglobin**, **haematocrit** and **erythrocytes**.

The Duo 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 reagent is ready to use, bottled in round vials. It must only be added to the sample.

The Duo Photometer was developed specifically for immediate point-of-care diagnosis with unit-use reagents. In accordance with the guidelines of the German Medical Association\* the user is therefore not obliged to participate in survey tests. He is only required to perform a test measurement and record the results once a week. In accordance with the requirements of RiliBÄK\*, a test function is integrated in the photometer. This makes the need to physically check the device daily obsolete. The device is factory calibrated; the user is therefore not required to conduct a calibration.

The red blood pigment, Haemoglobin (HB) is a protein with iron content which is responsible for the transportation of oxygen in the bloodstream. It serves the purpose to monitor risk groups for iron deficiency, such as pregnant women, toddlers, blood donors, haemodialysis patients, and sportswomen. The number of red blood cells is determined by measuring the Erythrocytes (ERY). Low values are determined as soon as anaemias are existent. They cause a decline of physical fitness. The determination of Haematocrit (HCT) indicates the percentage of the red blood cells. It serves both as a control of success of the endurance training and as a detection of performance-reducing and health-threatening blood swellings, which occur if there is too much stress and the hydration is insufficient.

Besides monitoring risk groups, the most important field of application are emergency diagnostics (loss of blood) and monitoring the HB value during surgery.

### Duo Photometer

- Size: 19.5 x 10.0 x 4.5 cm
- Weight: 0.4 kg
- Wavelength: 546 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

- HB 142 Haemoglobin
- HB 342 Haemoglobin, SLS-method immediate measurement, no waiting period, free of cyanide
- ERY 142 Erythrocytes
- HCT 142 Haematocrit

Sample material  
10 µL capillary or venous blood

### Log sheets

According 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  
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### Control for quality assurance

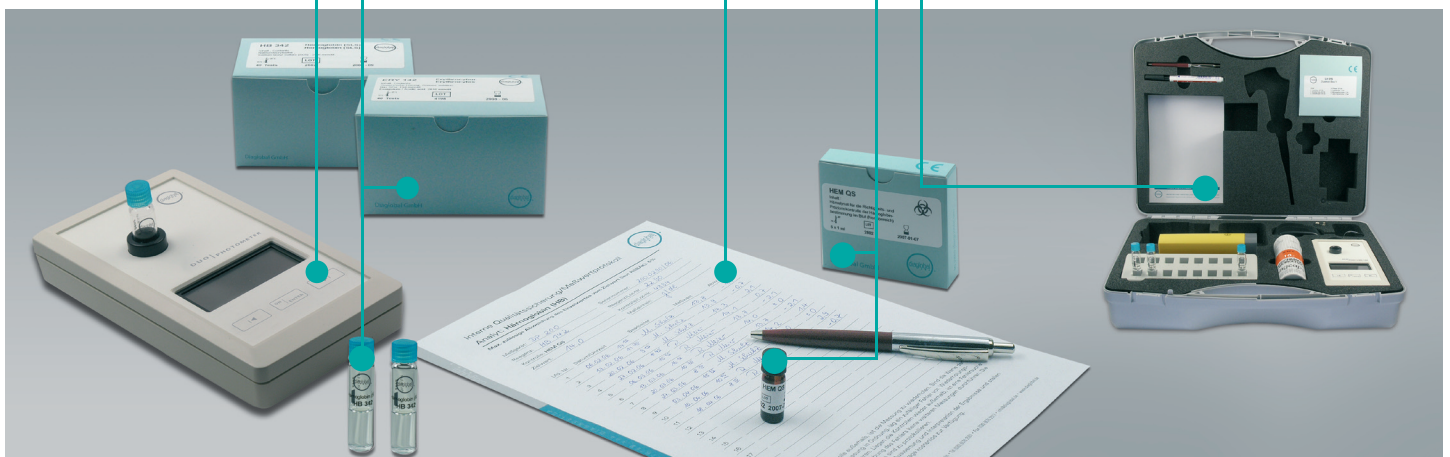
- HEM QS control of haemoglobin
- ERY QS control of erythrocytes and haematocrit

### Carrying case optional

Size: 45 x 36 x 14 cm

Weight: 2.8 kg

Contents: photometer, power unit, accu, 10 µL 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