



## Accutrend Plus Multi Test Kit tests Cholesterol, Glucose, Lactate and Triglyceride

£268.57

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### Details

The Accutrend Plus System is a flexible, hand-held point of care device for rapid and immediate easy detection of four parameters. It offers quantitative results for glucose, cholesterol, triglycerides, and lactate directly from capillary blood.

#### **Accutrend Plus provides rapid and easy detection of cardiovascular risk on the spot:**

- Total cholesterol, triglycerides and blood glucose - key parameters for diagnosis and monitoring of cardiovascular disease
- Lactate - essential parameter for the assessment of physical performance, rehabilitation and critical care



### **The benefits at a glance:**

- Easy to use - convenient measurement of cholesterol, triglycerides, blood glucose, and lactate from capillary blood using strip technology (Test strips can be stored at room temperature.)
- Rapid results - Cholesterol in 180 seconds, triglycerides in 174 seconds, glucose in 12 second and lactate in 60 seconds.
- Built-in safety features - Automatic performance and meter self-testing (Code-strips with positive lot identification and parameter recognition.)
- User-friendly data storage for reliable data handling and monitoring. Up to 100 results can be stored with date, time, and additional information for each parameter.
- Precise results - High precision and accuracy across the whole measuring range for all parameters.

### **Detection of risk:**

- A significant number of primary care patients have dyslipidemia and hyperglycemia, representing key symptoms of metabolic syndrome associated with increased cardiovascular risk.
- Accutrend Plus supports in the early recognition of CVD risks as well as in monitoring therapeutic measures.
- Performance diagnostics in sport and rehabilitation - allows for rapid determination of blood lactate levels. It enables determination of individual training intensity on the spot, to harmonize phases of strain and rest and to minimize the danger of overload and injury.

### **Hospital and critical care:**

- The concentration of lactate reflects the degree of tissue hypoxia. There is a correlation between severity and prognosis of disease and lactate concentrations. Determination of lactate therefore is essential in many situations in critical care

### **Accutrend Plus Features & Function:**

- Four parameters - one mobile device
- Quantitative results for glucose, cholesterol, triglycerides, and lactate directly from capillary blood. For each of these parameters Accutrend Plus uses specially designed test strips
- Accutrend Plus measures the intensity of the reaction colour within the reaction layer of the test strip by reflectance photometry and calculates the parameter concentration of the sample through a lot-specific algorithm. The result is displayed in mg/dl or mmol/l (BM-Lactate only in mmol/l) and stored automatically with date, time, and additional information. The Accutrend Plus meter stores up to 100 results for each parameter.

### **Superior test strip technology:**

- Accutrend Plus uses specially designed Accutrend Glucose, Accutrend Cholesterol, Accutrend Triglycerides and BM-Lactate superior quality test strips. The test strips contain a yellow protective mesh, impregnated with a surfactant (application field), a glass fiber fleece that works as a separating layer for blood cells), a reaction film in which the color formation takes place) and a bar code on the reverse side, which is read by the meter to confirm test strip



identity, i.e. the lot number on the test strip is congruent with the stored code)

### **Built-in safety features:**

- With its built-in automatic performance and meter self-testing, Accutrend Plus conducts multiple safety checks to prevent against potential errors and malfunction, so you can rely on accurate results
- Accutrend Plus lets you apply blood onto the strip inside or outside the meter. For example, when conducting multiple tests where cross contamination might be an issue, you can apply blood outside the device
- Code strips with positive strip lot identification and parameter recognition are used to calibrate the device - an added safety feature, which ensures system performance level is maintained
- The control solutions Accutrend Control Chol (cholesterol), Accutrend Control GLU (glucose), Accutrend Control TG (triglycerides), and BM-Control Lactate can be used for additional performance checks

### **Technical data:**

- Measuring temperature ranges Depend on parameter used: Cholesterol and triglycerides: 18-30 °C Glucose: 18-32 °C Lactate: 15-35 °C
- Measuring ranges Blood glucose: 20 - 600 mg/dl (1.1 - 33.3 mmol/l)
- Cholesterol: 150 - 300 mg/dl (3.88 - 7.76 mmol/l)
- Triglycerides: 70 - 600 mg/dl (0.80 - 6.86 mmol/l)
- Lactate: 0.8 - 21.7 mmol/l (whole blood), 0.7 - 26 mmol/l (plasma)
- Temperature range -25 °C - +70 °C
- Relative humidity 10 - 85% (without condensation)
- Sample material One drop of fresh capillary blood
- Storage capacity 100 results, optional with date, time, and additional information for each parameter
- Test principle Reflectance photometry
- Dimensions: 154 x 81 x 30mm
- Weight 140g without batteries
- Automatic cut-off after 2 minutes if no buttons have been pressed
- Power requirement 4 x 1.5 V alkaline manganese batteries type AAA for more than 1,000 measurements (with new batteries)

### **Important**

You must not rely on the information on this site as an alternative to medical advice from your medical physician or other qualified healthcare provider. Consult your healthcare provider immediately if you think that you may have a medical emergency or for the diagnosis and treatment of injuries. Always seek the advice of your physician or other qualified healthcare provider before starting any new treatment or with any questions that you may have regarding a medical condition or injury.

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