Coagulation

CL 4

BE
Behnk Elektronik

Diagnostic Systems

The coagulometer
for whole blood and blood plasma

Safely determines all coagulation parameters

The optimal measuring station for all coagulation parameters

The measuring system: A sensor monitors the ball rotating on the bottom of the cuvette. When a large coagulum is created, the ball is stopped on the wall of the cuvette. A smaller coagulum either slows the ball´s movement or directs it towards the centre of the cuvette. The following three parameters lead to the positive detection of a developing coagulum: The ball does not pass the sensor because it has stopped; the ball is no longer detected, because it has been directed toward the centre of the cuvette; the impulse sensor detects a delay in the ball's path. Fibrinolyse measures the time taken for a sample to coagulate before measuring the time it takes for the coagulum to break up.

The calculator: The operation is simple and easy to understand. All normal calculation types can be selected in dialogue form with the printer. The programming status can be programmed by using the <E> key.

The handling: A register allows up to 40 patient samples to be prepared and then continually processed. Three assigned incubation positions enable a safe and continuous routine. Two reagent mixing positions and an incubation position for a Multipette® round off the instrument. Three positions for reagents and one for the ball dispenser keep the working area organised.

Features:
Four measuring channels
Twelve incubation positions
One incubation position for a Multipette®
One register for 40 samples
Three positions for reagent containers
One position for a ball dispenser
One quiet thermo-printer
One RS 232 interface
Automatically saves calibration curves
Sample volumes between 150 and 400 μl
Error control during the coagulation process
Automatic or manual start of the measurement
Single or double determination

Operating voltage: 115/230 V $\pm$10 %
Frequency range: 50 - 60 Hz
Power consumption: 60 VA

Dimensions:
Length: 545 mm
Width: 300 mm
Height: 200 mm
Weight: 13.4 kg

The basics:
28 Cuvette racks
250 Balls
20 Reagent containers Ø 25 mm
10 Reagent containers Ø 30 mm
10 Lids for reagent containers Ø 30 mm
5 Lids for reagent containers Ø 25 mm
1 Ball dispenser

2 Magnetic stirrers
1 Multipette® with a start cable
1 Clean card
1 Roll of thermo-paper
10 Combitips® 2.5 ml
1 Dust cover

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