



APACT 4004

Semi-automated 4-channel platelet aggregometer (LTA) according to Born method. Available as a compact stand-alone version or combined with the APACT LPC-Software this analyzer suits into all routine- and research laboratories.

The APACT 4004 is the ideal partner when monitoring of thrombocyte-induced haemostasis disorders (e.g. ADP accumulation defect, Bernard-Soulier Syndrome, von Willebrand-Jürgens Syndrome, Thrombasthenia) and the assessment of the risk of thromboembolism (determination of spontaneous aggregation) become important. Thrombocyte aggregation is an economical alternative to other thrombocyte function analyses, especially in large scale serial investigations.





APACT 4004

FEATURES

DETECTION PRINCIPLE

- LED Photometer (photo-mechanic)
- Magnetic stir bar for homogenizing the test approach and increase of sensitivity
- Measuring principle and assay procedure according to Born
- Micro volume: 200µl PRP + 20µl Inductor

MEASURING UNIT (37,4° C CONTROLLED)

- 4 Measuring channels (740nm)
- 4 Reagent positions (1x stirred)
- 2 x 15 Incubation positions

ASSAYS

ROUTINE REAGENTS

- ADP (Adenosin-Diphosphate)
- Collagen
- Arachidonic Acid
- Epinephrine
- Ristocetin

FEATURES

- Intuitive graphic user interface on touch display
- 15 individually editable test positions
- Cost effective single-use cuvettes
- Automated calculation of max./ min. Aggregation, Shape Change, Lag-Phase, Des-Aggregation, area and more
- Max. measuring time up to 3.600 sec.
- Real time reaction curve recording
- PPP and PRP values automatically storable
- Measuring range: 30.000 – 600.000 Thrombocytes / µl

SPECIAL TESTING

- HIT (Heparin Induced Thrombocytopenia)
- v. Willebrand Ristocetin Co-Factor (Option)



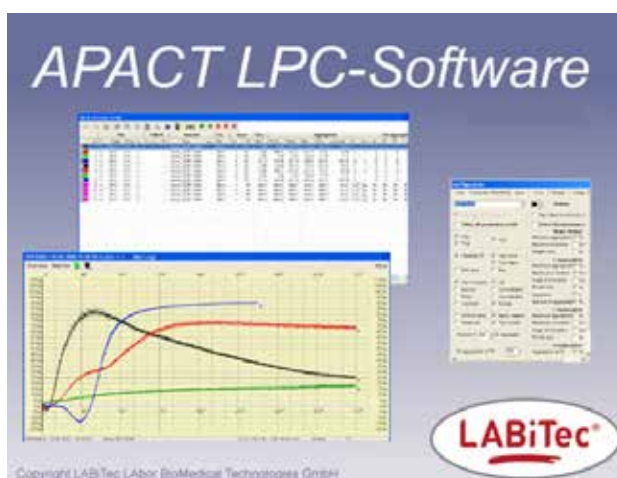
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APACT LPC SOFTWARE

Enhance the performance of your APACT system with this comprehensive Windows based software application. For evaluation of all inductor assays, incl. v.Willebrand Ristocetin Co-Factor.

Scale up to 24 simultaneous channels by connecting 1 to 6 APACT 4004 systems.



FEATURES

- User friendly and flexible software using graphic menu visualization
- Free and adaptable presentation of reaction curves over all measuring channels connected
- Option to connect 1 to 6 APACT 4004, enabling up to 24 simultaneous channels
- Data automatically saved into daily organized files
- Colored presentation of inductors and curves, with independent modification options
- Result management, test names and concentrations are editable
- Automated evaluation of max. % Aggregation, min. % Aggregation, area under the curve, Shape Change, Lag Phase, Des-Aggregation and more
- Free selectable result calculation and display
- Multi-language software
- Performance of v.Willebrand Ristocetin-Co-Factor (Option)
- Calibration curves with up to 9 points
- Up to 5 different calibration curves can be saved and reactivated
- Single and double determination selectable



APACT 4004

TECHNICAL DATA

DIMENSIONS:

25 x 33 x 14 cm (LxWxH)

POWER SUPPLY:

100V-240V, 47-63Hz, 260mA

WEIGHT:

5.3 kg

OPTIONS:

External printing device

INTERFACES:

- ChipCARD® reading unit
- 2x RS232 (PC | Printer)
- 1x LAN (Printer)
- SD-Card

