Technical specification APACT 4004

Measuring principle
❖ Photometric, high resolution photometer (740nm) up to 3 OD

Measuring unit
❖ Controlled at 37.4°C +/- 0.3°C

❖ 4 independently operating measuring cells

❖ 4 reagent positions, one stirred

❖ 2x15 cuvette incubation positions

Test volume
❖ Micro cuvette for single use

❖ Total min. required 150μl max. allowable 300μl

Display
❖ Touch sensitive display

Interfaces
❖ 2x RS 232C / ChipCARD™, MMC-Card / LAN

Printer
❖ External printer via LAN (optional)

Order Information

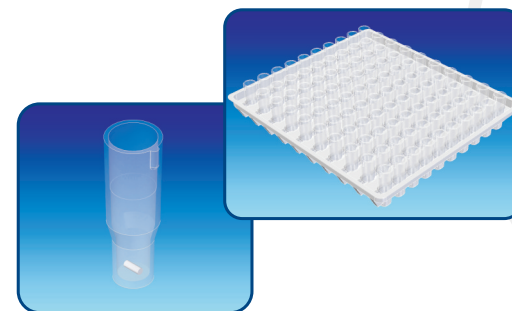| Part No.	Article
90.000.1020	APACT 4004
20.000.6125	APACT 4004+LAN Printer
30.000.3778	APACT LPC-Software
40.613.0002	Dispo System (5x100 cuvettes incl. mixer)

Aggregation reagents on request.

Dimensions/Weight
❖ 25.0 x 32.5 x 14.0cm (9.8x12.8x5.5 in.), 5,3 kg (11.7 lb)

Assays
❖ ADP, Adrenalin, Collagen, Ristocetin, Arachidonic Acid

❖ HIT (Heparin Induced Thrombocytopenia)

❖ v. Willebrand Ristocetin Cofactor assay (option)

Software features
❖ All reagents individually editable

❖ On-board storage capability up to 15 assays

❖ Real time reaction curve recording

❖ Automated calculation of max./min. Aggregation, shape change, lag phase, desaggregation, area and more

❖ Max. measuring time up to 3.600 sec. programmable

❖ Data transmission to MMC-Card or external PC software (optional)

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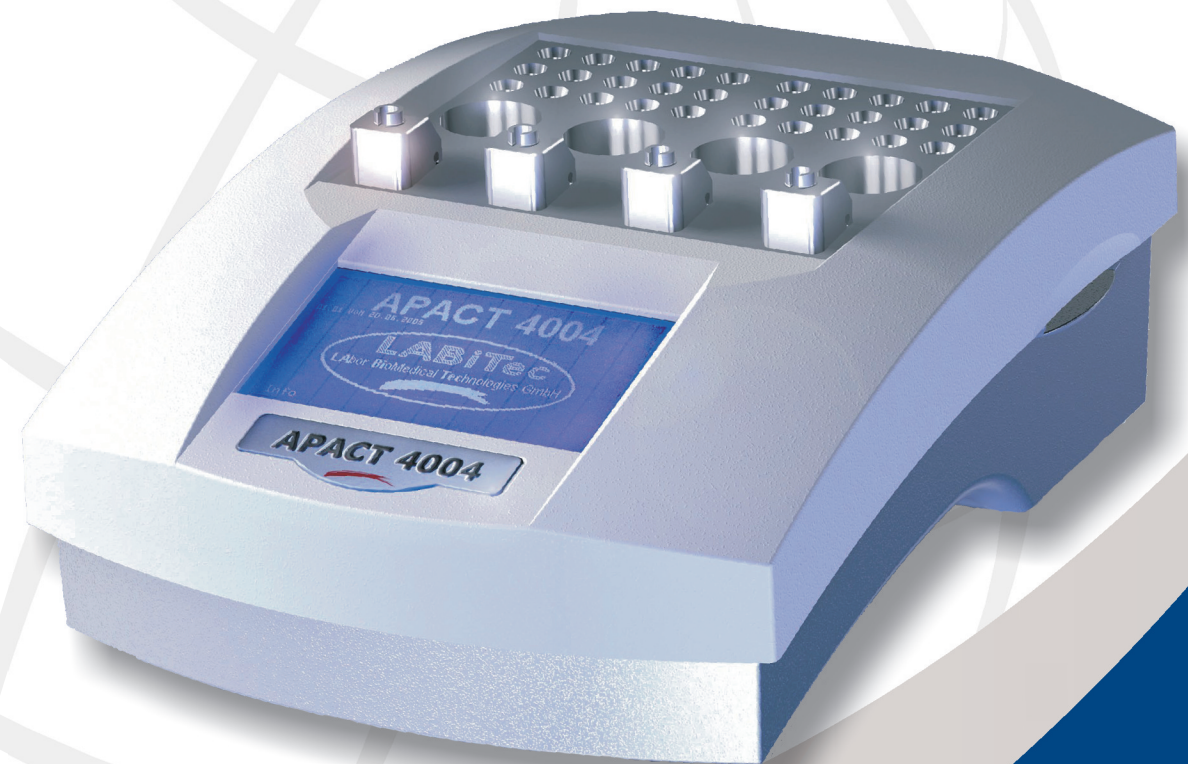E-Mail   info@labitec.de, service@labitec.de

A new star is born
An idea becomes perfection

APACT 4004 + LAN Printer
Compact stand-alone system operting without external PC

APACT LPC-Software
Newly designed windows-based user software for evaluation of all inductor assays, including von Willebrand calibration program

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CE

Your partner in system concepts.

System concepts in Platelet Aggregation

Enlarge your APACT 4004
with powerful software and enormous connectivity

APACT 4004 + LAN Printer

4-channel Platelet Aggregometer
according to BORN

LAN Printer

System - Highlights:
Compact system with built in processor

❖ 4 -channel Platelet Aggregometer + LAN Printer (option)

❖ Measuring principle and assay procedure according to BORN

❖ High sensitive photometer: (results calculated
  in mOD (extinction) and converted into % of Aggregation)

❖ Color print of curves via LAN printer (option)

❖ Easy handling via touch sensitive display

❖ "PPP" and "PRP" values automatically storable

❖ Automated result calculation: max.% aggregation,
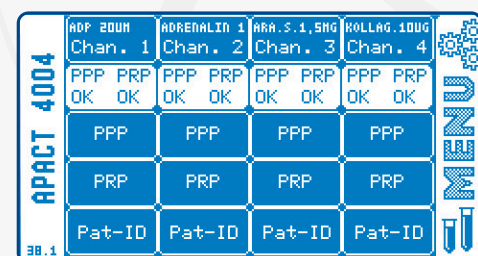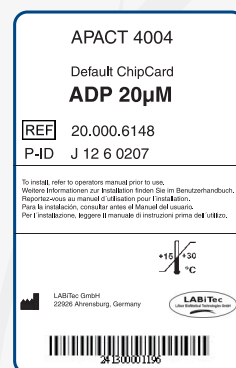 %/min., area, shape change etc.

Economical

❖ One-way Dispo System (plastic cuvettes filled with stirring bars)

❖ Micro volume (200µl PRP + 20µl Inductor)

❖ Measuring sensitivity down to 30.000 Thrombocytes/µl

Safety

❖ All results and reaction curves storable on Memory-Card

❖ Real time reaction curve recording

❖ Assay settings storable on ChipCARDs

❖ QC-program for control measurement

Flexibility

❖ Test setting individually editable
  (measuring time, evaluation modes, mixer rpm and more)

❖ Max. measuring time up to 3.600 sec.programmable for HIT
  (Heparin Induced Thrombocytopenia) assays

❖ 4 independently operating measuring cells for simulationeous
  determination of different or same assays

❖ von Willebrand Ristocetin Cofactor assay
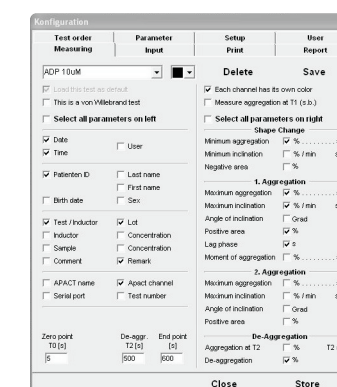 (available with LPC-Software)

APACT 4004

Default ChipCard
ADP 20µM

REF 20.000.6148
P-ID J 12 6 0207

To install, refer to operators manual prior to use.
Weitere Informationen zur Installation finden Sie im Benutzerhandbuch.
Reportez-vous au manuel d'utilisation pour l'installation.
Para la instalación, consultar antes el Manual del usuario.
Per l'installazione, leggere il manuale di istruzioni prima dell'utilizzo.

+15 +30 °C

LABiTec GmbH
22926 Ahrensburg, Germany

APACT LPC-Software

Newly designed windows-based user software for evaluation of all
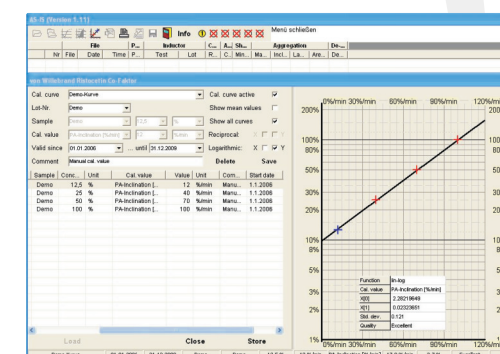inductor assays, including von Willebrand Ristocetin Cofactor assay

configuration menu

❖ User friendly and flexible software using graphic menu visualization

❖ Free selection and display of reaction curves of all linked measuring
  cells

❖ 1-6 APACT 4004, meaning up to 24 channels can be connected at
  the same time via USB interface

❖ Automated data storage in daily organized database files

❖ User may select different colors for display of user selectable
  channels being displayed or compared

❖ Editable result management, test names and concentrations

❖ Performs von Willebrand Ristocetin Cofactor assay

❖ Result calculation and display free selectable

❖ Multi-language software

Open software

❖ Calculation menu allows activation of user specific settings

❖ User individual printout with findings

von Willebrand Calibration Program

❖ Calibration curve with up to 9 measuring points

❖ Single / double determination

❖ Type of raw values free selectable

❖ Displays validation

❖ 5 different calib. curves can be stored and reactivated

**User specific connections from 1-6
APACT analyzers at only one PC**

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