

The Small, Easy-Handling System with High Performance



The BFT II Analyzer is a semi-automated device intended for in vitro diagnostic use to determine PT, APTT, Fibrinogen, Thrombin time, Batroxobin time, single factors, Lupus anti-coagulant, Protein C and Factor V Leiden.

Product Description

The BFT II Analyzer is a dual-channel coagulometer designed to perform all routine coagulation tests, e.g.: PT, APTT, Fibrinogen and other assays using citrated plasma. The BFT II Analyzer combines the advantages of mechanical and photo-optical clot detecting principles by employing a unique turbodensitometric detection device and allows for accurate testing of lipemic and icteric samples.

Test Menu

• PT:	Thromborel® S reagent, Dade® Innovin® reagent
• APTT:	Dade Actin® reagent, Dade Actin FS reagent, Dade Actin FSL reagent, Pathromtin* SL reagent
• Fibrinogen:	Multifibren* U reagent
• Thrombin time:	Test Thrombin reagent, Thromboclotin* reagent
• Batroxobin time:	Batroxobin reagent
• Clotting assays:	Coagulation Factor II, V, VII, VIII, IX, X, XI, XII
• Lupus anticoagulant:	LA1 screening reagent, LA2 confirmation reagent
• Protein C pathway:	ProC® Global reagent
• Factor V Leiden:	ProC Global reagent/Factor V Deficient Plasma
• Protein C:	Protein C reagent

Measurement

• Principle:	Turbo-densitometric, opto-mechanical with automatic zero-adjustment and magnetic stir bar for homogenizing the test suspension and increased sensitivity
• Measuring channel:	2 measuring channels with light protection cap
• Light-protection cap:	For protection against foreign light and guide for Eppendorf pipette tips; Reduces risk of user-errors by keeping the pipetting channel closed unless a cuvette has been inserted
• Light sources:	2 LEDs (Light Emitting Diode); light intensity according to turbidity of sample
• LED intensity:	Automatic adjustment
• Measuring timer:	Maximum 6000 sec., error < 0.1 sec.
• Mixing of sample:	Magnetic stirrers under measuring channels
• Lowest read-out time:	2 - 10 sec. (method dependent)
• Timer start and stop:	Automatic on most methods
• Time resolution:	0.1 sec.
• Sensitivity:	PT> 5 % of norm
• Lag phase:	2 - 15 sec. (method dependent)

Throughput

Approx. 60 PT tests/hour
Approx. 30 APTT tests/hour

Incubation

• Incubation block:	Controlled at 37.4 °C +/- 1.0 °C for 4 reagent bottles including 1 reagent mixer function with a preset speed of 250 rpm (revolutions per minute)
• Timer:	Built-in

Cuvettes

• Volume:	150 - 225 µL test suspension
• Positions:	Incubation block for up to 30 cuvettes
	2 x 3 rows with 5 positions each

Reagent

• Reagent vials:	4 positions GW 15 – bottles
	GW5 bottles using reducer rings

Operation

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|------------------------------|--|
| • Pre-programmed methods: | PT, APTT, Fibrinogen, Thrombin time, Single Factors, Batroxobin time, Protein C pathway, Factor V Leiden |
| • Free programmable methods: | 2 free positions for user-defined methods |
| • Calibration: | Manual input of reference curve points (method dependent) |
| • Reference curve: | Reference curves programmable with 9 reference curve points each |

Computer / Printer

- | | |
|---------------|---|
| • Technique: | Microprocessor controlled functions |
| • Calculator: | Built-in, results automatically calculated, e.g.: PT in sec, % of norm, INR, Fibrinogen in mg/dL or g/L |
| • Displays: | Liquid Crystal Display, 2 lines (2 x 20 characters) |
| • Printer: | 58 mm built-in thermo-printer with external 50 meters paper rolls |
| • Keypad: | Membrane keypad |
| • Software: | Loaded in memory |
| • Interface: | RS-232C, Mini-DIN |

Disposables

Cuvettes / stir bars Printer paper

Power Supply

- | | |
|----------------------|--------------|
| • Operating voltage: | 90 - 264 VAC |
| • Power consumption: | 63 VA |
| • Fuse: | 1.6 AT |

Environmental Conditions

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|---------------------------|----------------------------|
| • Operating temperature: | 10 - 30 °C |
| • Environmental humidity: | 30 - 85 % (not condensing) |

Dimensions

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|---------------|--|
| • Dimensions: | Approx. 200 mm x 300 mm x 100 mm (W x D x H) |
| • Weight: | Approx. 3.8 kg |

Remarks

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| • The BFT II Analyzer is available for sale in the US and complies to the IVD Directive 98/79/EC. |
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Ordering Information

Catalog No.	Product Description	Quantity
OVKF 03	BFT II Analyzer	1 unit
OVKG 03	BFT II dispo-system (1 unit contains cuvettes with mixers)	5 x 100
OVKH 15	Printer Paper for BFT* II	10 rolls
OVMN 11	BFT II cuvettes (5 x 500 cuvettes, 5 x 500 mixers packed separately)	1 kit
OQAB 45	Kaolin suspension for Fibrintimer	1 x 50 mL

For more information please contact your sales representative or visit our website.

www.saaskin.com

This brochure is for use outside the United States. Product availability may vary from country to country and is subject to varying regulatory requirements. Please contact your local representative for availability.

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