CompoMat® G5
THE NEW GENERATION OF AUTOMATED BLOOD COMPONENT SEPARATORS
**CompoMat® G5**

The new generation of automated blood component separators. Designed for improved quality and automation

### Optimised efficiency and plasma yield

- Integrated optical sensors in sealing heads
- Automatic air removal and weighing of plasma in one single step

### Shortened separation time

- Simultaneous processing of program steps*
- CompoFlow® wide bore tubing

### Reduced risk of RSI** and hemolysis

- Automatic opening of CompoFlow® Cap

### Advanced technological platform

- WiFi network
- The CompoMat® G5 and the CompoMaster® Net are part of the CompoMation Data Management System
- Data from the CompoMation can be displayed in the interactive CompoVision dashboard

### Optimised standardization

- Reproducible separation on CompoMat® G5
- Sensor controlled priming of in-line filters

### Flexibility at work

- Works with all known blood bag types in the market
- Flexible for all component preparation methods (e.g., Top and Bottom, conventional systems, platelet-rich plasma, cord blood) because of using a system with upper and lower press

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* Blood component process changes and validations and notification of changes to your local regulatory agencies are at the discretion of the blood center.

** Repetitive Strain injury.
CompoFlow® Cap

**CompoFlow® Principle**
The traditional bag breaker is replaced by a patented cap, automatically squeezed by the CompoMat® G5 opener.

**Advantages of the CompoFlow® bag system**
- Standardized positioning, squeezing and opening of the CompoFlow® cap, fully automated
- Special form coding prevents application errors
- Reduction of hemolysis: 0.8% due to incorrect processing is especially attributed by standardization of the breakaway opening process
- More operator comfort

**Wide bore tubing**

**Advantages of wide bore tubing**
- Average separation time with Top and Bottom system typically ≤ 2 min
- Large diameter reduces processing time up to 26%
- Low hemolysis rate

REFERENCES:
1. I.J. Bontekoe et al. Separation of centrifuged whole blood and pooled buffy coats using the new CompoMat® G5: 3 years experience. Vox Sanguinis (2014); 107(2): 140-7
3. A. Agildere et al. (SPI50) Performance of the New separator Compmat® G5. Transfusion (2009); 49: 110A
4. W. Boecker et al. (P-0313). Development of a new device fulfilling ergonomic and economic requirements of blood services. Vox Sanguinis (2010); 99 (Suppl. 1): 207
5. J. Lagerberg et al. (P-0356) Evaluation of the CompoMat® G5 automatic blood component processing system in combination with the Compoflow® blood collection system. Vox Sanguinis (2010); 99 (Suppl. 1): 224
7. D. Devine et al. (P-431) Performance characteristics of Compoflow®, a novel blood bag in-line closure device, and subsequent product quality assessment. Vox Sanguinis (2009); 96 (Suppl. 1): 247
9. Sanquin Research. Department of Blood Cell Research
10. Fresenius Kabi internal validation data
CompoMat®

Plasma balance
- Automated weighing and air removal
- Auto-tare function
- Shortest tube length < 3 cm

Press balance
Semi-automatic weighing of the front bag

Front door
Automatic opening for easier working

Precise and silent motor driven presses
- Programmable speed setting
- Improved in-process control to detect closed bag breaker or kinked tubing
- Quick stepper motors
- No compressed air needed
- Upper and lower press for more flexibility in component separation
CompoMat® G5

**easy handling**

**Wedge-shaped top press**
- Sensor controlled priming of in-line filters
- Fully automated
- Air bubble free priming of in-line filters
- User-friendly bag loading

**Movable sealing heads**
- Integrated optical and adjustable sensor
- Movable lids
- Reliable high frequency sealings
- Tube insert surveillance with alarm function

**Magnetic filter holder**
for a good positioning and priming of the inline filter

**Color screen with touch pad**
for a neat process monitoring

**RCC balance**
- Automated weighing
- Auto-tare function

**Integrated CompoFlow® opener**
with passive bag breaker for conventional bag closures
CompoVision™

The visualization platform for your blood bank management

- Visualizes all important data collected by CompoMat® G5 and the other Fresenius Kabi devices
- A benchmark tool to compare device productivity
- Observes and manages multiple sites and centres simultaneously
- Monitors historic data for performance evaluation
- Offers real time and off-line analysis of component production, assisting active process management
- Offers traceability from donation to processing and much more
**CompoMation Data Management System**

Enables a fully automated data transmission between devices of the CompoMation Data Management System and your blood bank information system

- Connects up to 100 CompoMat® G5 via LAN or WLAN
- Combined data network for CompoMat® G5 and CompoMat® G4
- Internal storage of the last 1,000 process data sets
- Separation documentation with quality relevant process data
- Availability of the process data in a common data format
ORDERING INFORMATION
For more information such as literature, technical details and working procedures, as well as for equipment, please contact your local sales representative or us.

ORDER NUMBERS

- **9025501** CompoMat® G5 - including front balance and two CompoFlow® openers
- **9025511** RCC/RBC unit including balance and CompoFlow® opener
- **9025521** Plasma unit including balance, air removal plate, sealing head and optical sensor
- **9025531** Filter holder for FK hard and soft housing RCC/RBC filter
- **9025591** Scanner for CompoMat® G5
- **M674781** WLAN stick for CompoMat® G5
- **M674791** CompoMat® G5 WLAN access point
- **M684151** CompoMat® G5 WLAN access point US/UK/AU
- **M674811** CompoMat® G5 LAN hub 5-port
- **M684201** CompoMat® G5 LAN hub 5-port US/UK/AU
- **M682081** CompoMat® G5 LAN hub 24-port
- **M684211** CompoMat® G5 LAN hub 24-port US/UK/AU
- **9025541** CompoMaster Net G5 CD-ROM and IFU
- **9025571** CompoMaster Net G5 CD-ROM and IFU - USA
- **M674811** LAN hub for cable network CompoMaster Net and G5
- **M674801** ELT box to connect a combined network of CompoMat® G4 and G5

TECHNICAL DATA

- **Dimensions (L x W x H)**
  - 550 x 360 x 500 mm (G5 w/o PL- and RCC unit)
  - 550 x 450 x 500 mm (G5 with RCC unit)
  - 550 x 550 x 500 mm (G5 with RCC- and PL unit)
- **Weight**
  - 30 kg (device), 2.8 kg (PL Unit), 1.4 kg (RCC unit)
- **Power supply**
  - 100 – 240 V, 50 – 60 Hz
- **Max. power consumption**
  - 240 VA
- **CE/MDD**
  - Class I according directive 93/42/ECC amended by 2007/47/EC
  - CE marked
  - IEC 60601-1 3rd Edition Compliant

SYSTEM REQUIREMENTS

The software CompoMaster Net G5 operates with the following system requirements

- **Processor type**
  - 1.5 GHz or faster 32-bit x 86 processor
- **RAM**
  - 1.5 GB or more
- **Hard disk**
  - 20 GB free space
- **Graphics card**
  - Card compatible with Windows Vista’s Aero interface, minimum XGA (1024 x 768) and 128 MB graphic memory
- **Monitor**
  - Recommended 17”
- **CD drive**
  - For installation of CompoMaster Net G5 software
- **Operating system**
  - Microsoft Windows XP Professional, Microsoft Windows 7 Professional

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