



APHERESIS TECH



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Technical Specifications of GEMMA: The Next-Generation Machine



Maximum efficiency

ChatGPT dijo:
Up to 2 L/h in double-needle mode — the
fastest on the market.



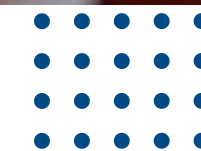
Guaranteed comfort

Up to 1.2 L/h with a single needle — ideal for
donor comfort.



Intelligent adaptability

Automatic flow adjustment = higher plasma
quality and enhanced safety.

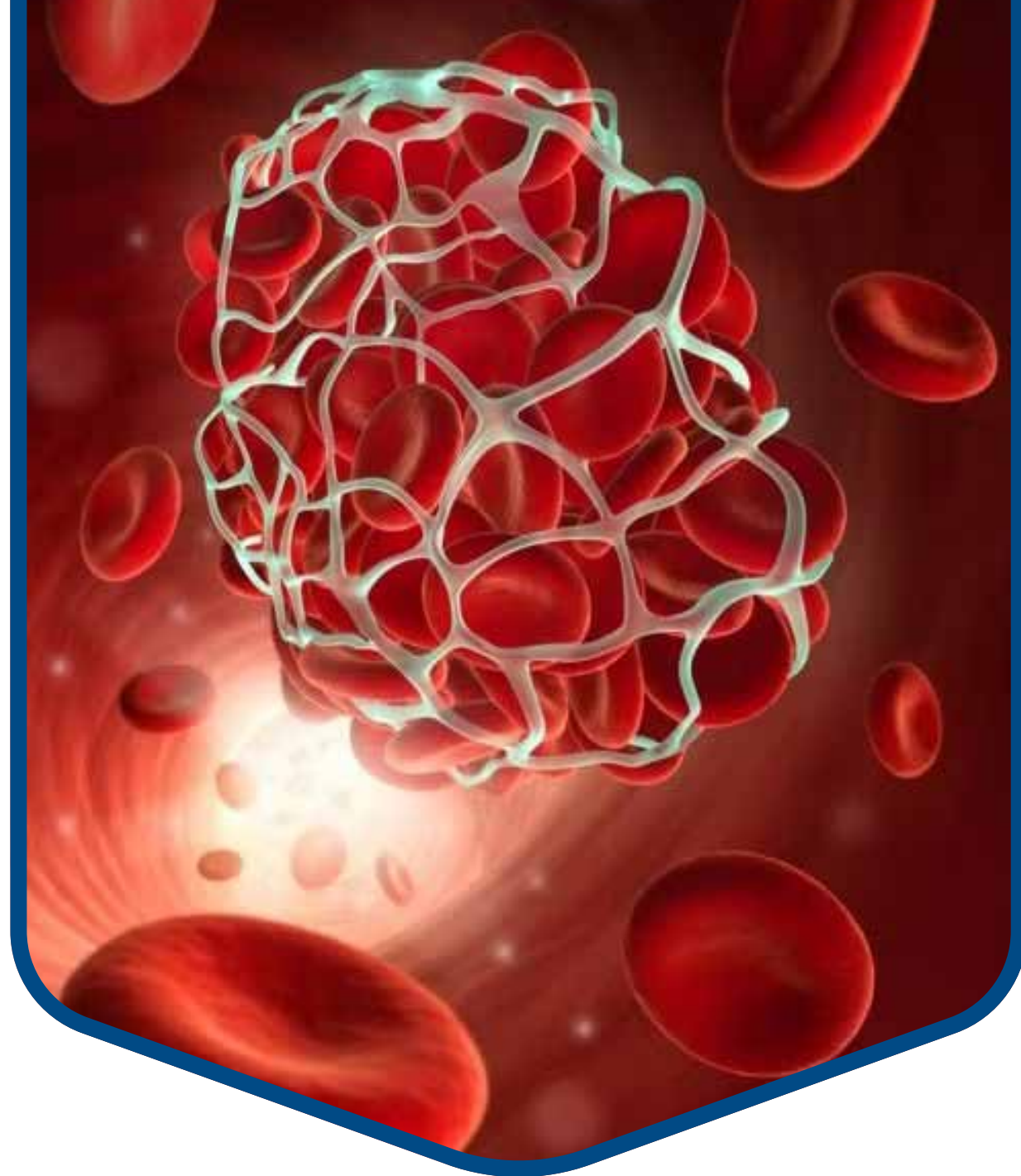


2L/h

Technology that extracts
more in less time.



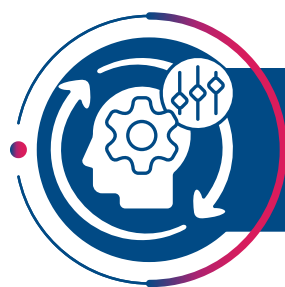
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Anticoagulant-to-Blood Ratio:



GEMMA offers an adjustable anticoagulant-to-blood ratio ranging from 1:5 to 1:25, allowing the procedure to be tailored to the patient's physiological needs. This enhances donor tolerance and ensures higher quality plasma collection, setting it apart from other devices with more limited adjustment capabilities.



Adaptability



Precision



Quality



Ultracompact Design

GEMMA redefines portability with a compact design measuring just 320 × 200 × 200 mm, enabling easy and convenient transport.



Lightweight

Weighing only 8 kg, GEMMA is ideal for carry-on luggage, making it highly practical for use across various locations.

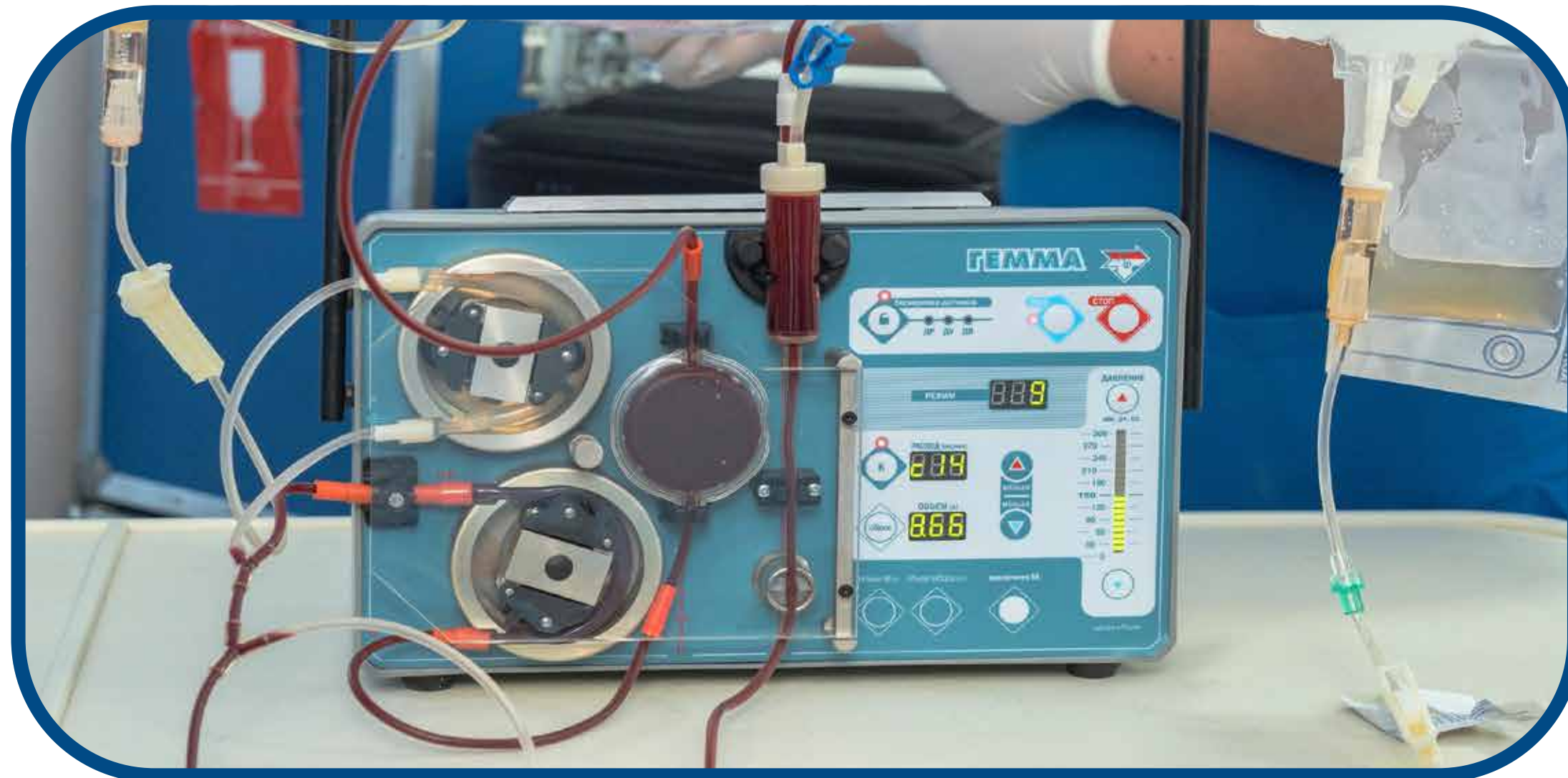


Weight Comparison

In contrast, other devices weigh over 26 kg—nearly three times heavier—making them significantly less practical and portable.

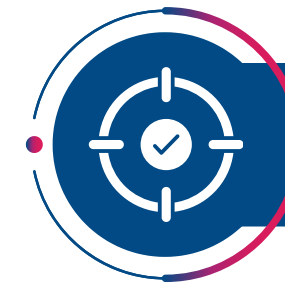
Dimensions and Weight: Exceptional Portability

GEMMA redefines portability with its ultracompact design measuring 320 × 200 × 200 mm and a weight of only 8 kg, making it easily transportable—even as carry-on luggage. In comparison, the Haemonetics PCS®2 is significantly heavier, weighing over 26 kg, which makes it nearly three times heavier and far less practical for use across multiple locations.



Advanced Automation and Safety

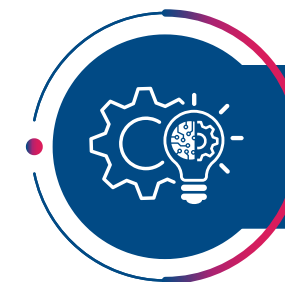
GEMMA takes automation and safety to the next level, incorporating high-precision peristaltic pumps along with pressure and air sensors that enable immediate intervention in the event of irregularities—dramatically reducing risks for patients. Unlike the Haemonetics PCS®2, which still shows a hypotension rate of up to 70%, GEMMA ensures a significantly safer and more reliable experience for donors, setting a new standard in every procedure.



Precision



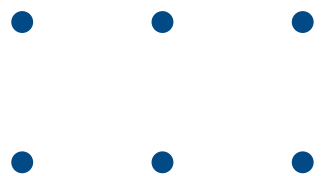
Safety



Innovación



Quality



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Advantages of GEMMA

GEMMA redefines plasmapheresis with advanced technology, broad clinical applications, and an enhanced patient experience.

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Next-Generation Technology

Unprecedented Innovation: GEMMA integrates efficiency, safety, and portability into a single device, surpassing all current systems.



Versatile Clinical Applications

Multispecialty and Mobility: Designed for multiple medical fields and operational in mobile environments, GEMMA expands the clinical reach of plasmapheresis.



Patient Experience

Versatile Clinical Applications: Optimized Comfort and Safety: Minimizes adverse effects, reduces invasiveness, and enhances recovery, ensuring the patient's well-being.

COMPARISON WITH OTHER DEVICES

NEXSYS PCS DE® HAEMONETICS



The NexSys PCS® is outpaced by more versatile and portable solutions like GEMMA, which combine advanced technology with greater clinical mobility.



Lack of True Portability



Exclusive Focus on Donation



Rigidity in Clinical Application



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PLASMA INNOVATION



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COMPARISON WITH OTHER DEVICES

TRIMA ACCEL® DE TERUMO BCT

Trima Accel® Its limited focus, restricted mobility, and lack of clinical adaptability position it below GEMMA, a comprehensive, portable, and clinically versatile therapeutic solution.



Restricted Mobility



Focus on Collection, Not Treatment



Functional Automation, But Not Customized 40 mini



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COMPARISON WITH OTHER DEVICES

MA-03 POR NIKKISO

MA-03 Its limited portability, restricted clinical focus, and conventional automation place it below GEMMA, a modern, adaptable platform focused on mobility and therapeutic precision.
40 mini



**Limited
Portability**



**Restricted
Clinical
Versatility**



**Functional
Automation, But
Not Innovative**



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ADVANTAGES OF GEMMA OVER OTHER DEVICES

Clinical Power and Precision

Maximum
performance, minimal
invasiveness



Efficient
Extraction



Advanced Safety



Lower Risk of
Hypotension

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TOTAL PORTABILITY AND ADAPTABILITY

Compact design,
unlimited reach



Only 8 kg



Applicable in Mobile
Environments
4o mini



Intuitive
Operation

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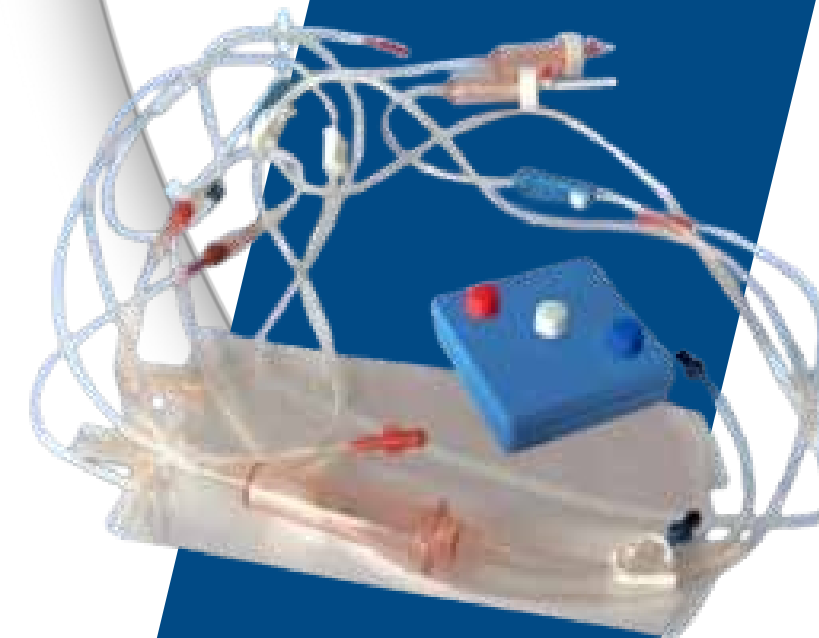
**ECONOMIC
EFFICIENCY AND
MULTISECTORAL
APPLICATION**



**Clinical Versatility
and Cost
Optimization**



Lower initial cost
compared to devices
such as NexSysPCS®



**PFM-500/800
Filters**



**Use across multiple
specialties**

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