

Leadership Through Technology

GPS® III Platelet Separation System





Quality and Simplicity
Redefined with You in Mind

GPS® III Platelet Separation System

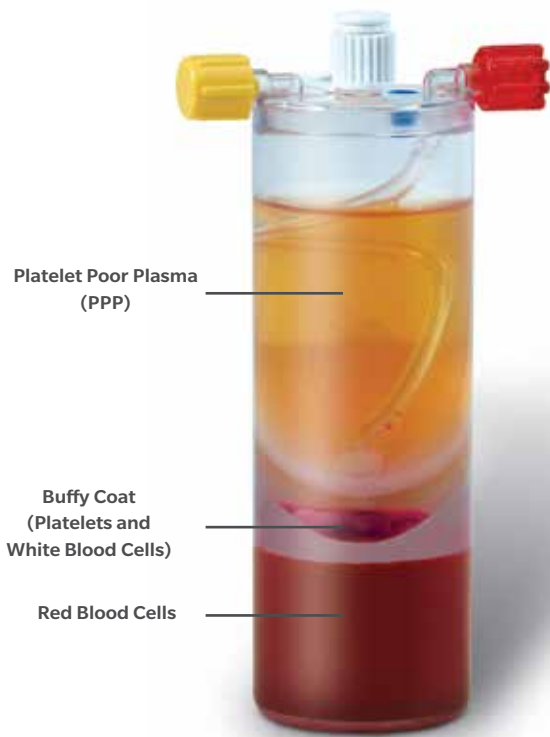
Quality

Biomet Biologics continues to push the envelope to provide the most consistent and efficient platelet separation system. Biomet Biologics continues the pursuit to provide the highest quality and user-friendly system. The evidence is in platelet recovery.

Over 90% Platelet Recovery

When evaluating platelet concentration systems, the overall percentage of platelets recovered in a sample of whole blood is a key variable. This determines the efficiency of a system regardless of the volume of Platelet Rich Plasma (PRP) produced. Many systems base their platelet count numbers on variable PRP volumes, which greatly affects the platelet concentration over baseline levels. For example, if 3ml of PRP is processed from a starting volume of 60ml of blood, the platelet concentration level over baseline will be higher. If 10ml of PRP is created from 60ml of blood, the platelet concentration level will be lower.

With the GPS® III System, a fixed volume (10% of starting volume) of PRP is processed that **will contain over 90%** of the available platelets.¹ Because of the GPS® III System's automated separation mechanism, a consistent platelet concentrate is attainable each and every time.



60ml GPS® III Tube
Platelet Increase Over Baseline Level 9.3x¹
White Blood Cell Increase Over Baseline Level 5x¹

The higher the platelet recovery the more efficient the system is in collecting and concentrating platelets.



The patent pending fixed dual buoy mechanism is slanted which creates a reservoir for more efficient recovery of platelets and white blood cells.

Automated Platelet Collection

From a small volume of the patient's own blood taken at the point of care, the GPS® III System efficiently captures the majority of the patient's platelets. The patent-pending GPS® III System buoy is tuned to the density between platelets and red blood cells. Under centrifugal force, the buoy will "float" within the tube to the interface point, collecting and trapping the platelet rich layer. Regardless of the hematocrit of the patient, the GPS® III System can automatically collect a consistent, high platelet count for each patient.¹

Load blood

Spin




Extract platelet rich plasma



For detailed technique see GPS® III Wall Chart 0698.1-EMEA-en

Volume Flexibility

The GPS® III System offers three volume options to meet different clinical needs.




Product	Description	Blood Draw	ACD-A (Anticoagulant)	Platelet Concentrate Volume
	Mini	27cc	3cc	3cc
	Single	55cc	5cc	6cc
				

Mini GPS® III Kit

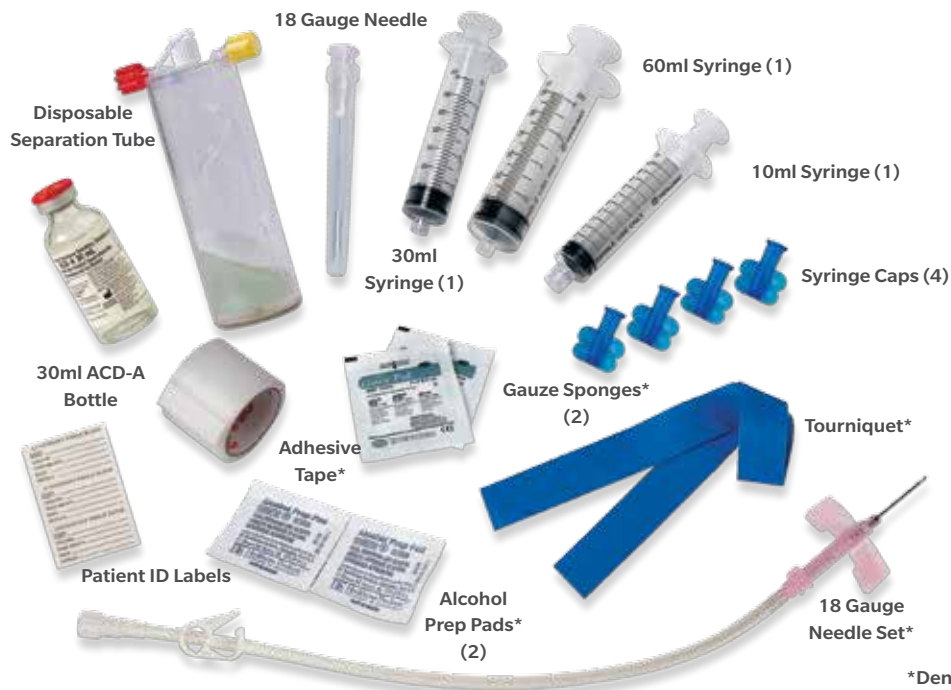
The Mini GPS® III kit allows the user the option of using only 27cc of whole blood (combined with 3cc of ACD-A, anticoagulant) for small application procedures. From 27cc of whole blood, the Mini GPS® III kit will yield 3cc of platelet concentrate. The Mini GPS® III kit contains all components needed to produce the platelet concentrate.



Ordering Information

Product	Description	Part Number
	Mini GPS® III Disposable Kit Contents: One Disposable Mini Separation Tube Two 30ml Syringes One 18 Gauge Needle Set One Tourniquet Two Alcohol Prep Pads One 30ml Bottle of ACD-A One 10ml Syringe One 18 Gauge Needle Two Gauze Sponges One Roll Adhesive Tape Four Syringe Caps Patient Identification Labels	800-0505A
	GPS® III Disposable Single Kit Contents: One Disposable Separation Tube One 30ml Syringe One 18 Gauge Needle Set One Tourniquet Two Alcohol Prep Pads One 30ml Bottle of ACD-A One 60ml Syringe One 10ml Syringe One 18 Gauge Needle Two Gauze Sponges One Roll Adhesive Tape Four Syringe Caps Patient Identification Labels	800-1003A
	GPS® III Disposable Double Kit Contents: Two Disposable Separation Tubes Two 30ml Syringes One 18 Gauge Needle Set One Tourniquet Two Alcohol Prep Pads One 30ml Bottle of ACD-A Two 60ml Syringes Two 10ml Syringes One 18 Gauge Needle Two Gauze Sponges One Roll Adhesive Tape Seven Syringe Caps Patient Identification Labels	800-1004A

Single Kit Contents:



*Denotes Blood Draw Kit Items

GPS® III System

Description

Part Number

Spray Applicator Kit (Tip Not Included)	800-0250
Two 12ml Syringes	Two 1ml Syringes
Two Syringe Assembly Sets	Three Liquid Transfer Cups and Lids
One Plastic Tray	Twelve Container Labels
Dual Spray Applicator Tip	800-0201
Malleable Dual Cannula Tip 20 Gauge x 4 in. Length	800-0202
Malleable Dual Cannula Tip 20 Gauge x 7 in. Length	800-0203
Malleable Dual Lumen Endoscopic Tip 5mm dia. x 12 in. Length	800-0207
Blending Connector Tip Single Cannula	800-0204
Biomet Biologics Centrifuge 120 Volt 50-60 Hz (Table Top)	755VES
Replacement Power Cord for 755VES Centrifuge	7760006
GPS® Spare Bucket Kit (Two Centrifuge Buckets for 755VES [Green])	7436
GPS® Mini Spare Bucket Kit (Two Centrifuge Buckets for 755VES [Purple])	7433
Aerosol Spray Kit with two sets of syringes and two tips	800-0260
Aerosol Regulator	800-0211
Aerosol Regulator with venting feature	800-0215
GPS® Non-Sterile Counterbalance (Blue)	800-0508
GPS® Mini Non-Sterile Counterbalance (Purple)	800-0505
12 inch Aerosol Endoscopic Rigid Tip 1 to 1 Ratio (Tubing included)	800-0216
16 inch Aerosol Endoscopic Rigid Tip 1 to 1 Ratio (Tubing included)	800-0217
16 inch Manual Endoscopic Rigid Tip 1 to 1 Ratio	800-0208
GPS® III Instructions for use Wall Chart	BB10001.0



Spray Applicator Kit
(Tip not included)



Dual Spray
Applicator Tip



Malleable Dual
Cannula Tip
20 Gauge x 4 in. Length
20 Gauge x 7 in. Length
20 Gauge x 10 in. Length



Blending
Connector Tip
Single Cannula
(Includes Two
Flexible Sheaths)



Aerosol Regulator with
venting feature
(can be used with aerosol
endoscopic tips and
aerosol spray kit
800-0260)



Aerosol Endoscopic
Rigid Tips
5mm dia. x 12 in. Length
5mm dia. x 16 in. Length
(16 in. Manual Endoscopic
Rigid Tip available)



Malleable Dual
Lumen Endoscopic Tip
5mm dia. x 12 in. Length
(Fits 5mm dia.
Endoscopic Sheath)



GPS® Spare Bucket Kit
(Green)
GPS® Mini Spare Bucket
Kit (Purple)



Aerosol Spray
Kit with two Tips



Aerosol Regulator
(Can only be used with
Aerosol Spray Kit
800-0260)



GPS® and GPS® Mini
Non-Sterile
Counterbalance



Biomet Biologics
Centrifuge

References

1. Data on file at Biomet. Bench test results not necessarily indicative of clinical performance.

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