

Discover

MAGELLAN[®]

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+1 (786) 613 1974
www.hcbiologics.com
info@hcbiologics.com

MagellanPRP™

Discover the quality of Magellan® PRP™.

The Magellan® technology provides an automated dual spin processing system that can deliver (PRP) Platelet Rich Plasma as well as (PPP) Platelet Poor Plasma.

PRP™ Growth Factor Assays (ELISA*)

60mL of initial blood was concentrated to 6mL of PRP (7X baseline platelet count).

Mean ± S.D. n = 9 (†n=4)	Initial Blood (60 mL)	PRP (6 mL)
PDGF AB (ng/mL)	10.2 ± 1.4	88.4 ± 28.8
PDGF AA (ng/mL)	2.7 ± 0.5	22.2 ± 4.2
PDGF BB (ng/mL)	5.8 ± 1.4	57.8 ± 36.6
TGF b1 (ng/mL)	41.8 ± 9.5	231.6 ± 49.1
VEGF (pg/mL)	83.1 ± 65.5	597.4 ± 431.4
bFGF† (pg/mL)	10.7 ± 2.9	48.4 ± 25.0
EGF (pg/mL)	12.9 ± 6.2	163.3 ± 49.4

Source: Arteriocyte Medical Systems TS-0078-130 (data on file)

*ELISA = Enzyme-Linked ImmunoSorbent Assay

Platelets release various growth factors:

PDGF - Platelet Derived Growth Factor

Cell growth, new generation and repair of blood vessels, collagen production

TGF-B - Transforming Growth Factor - Beta

Growth and neogenesis of epithelial cells and vascular endothelial cells, promotion of wound healing

VEGF - Vascular Endothelial Growth Factor

Growth and new generation of vascular endothelial cells

FGF - Fibroblast Growth Factor

Tissue repair, cell growth, collagen production, hyaluronic acid production

EGF - Epithelial Growth Factor

Promotion of epithelial cell growth, angiogenesis, promotion of wound healing

Customized

Each Patient is Unique

Meet each patient's specific needs with fully customizable product volumes and platelet concentrations.

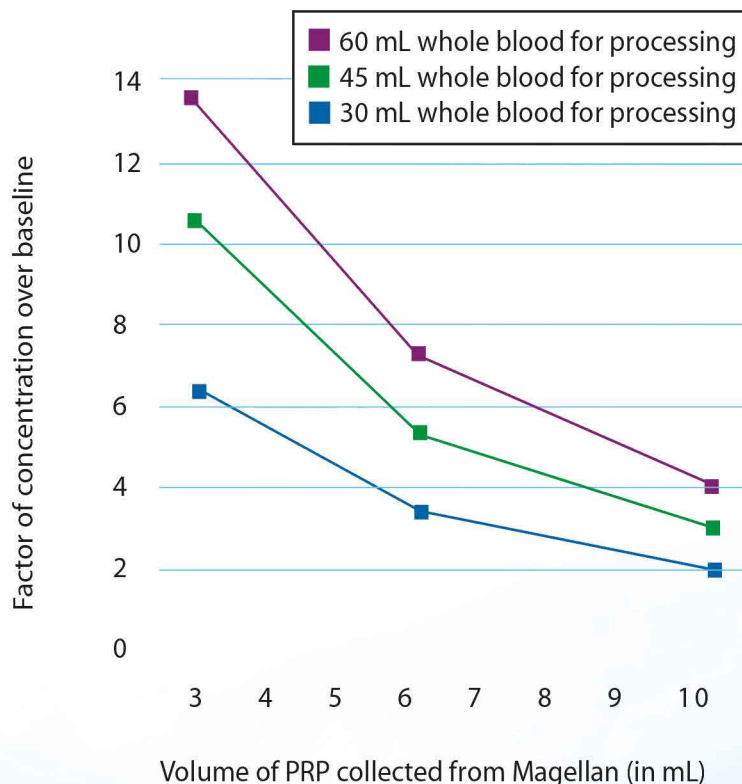
The Magellan® Platelet Separator is unique in its ability to customize the PRP product. The system can be programmed to deliver a volume of 3 - 10 ml from each processing cycle. This allows you to customize the concentration per ml within the PRP. Magellan® is approved for three processing cycles per disposable, allowing for a maximum of 30 ml of product.

Customize MagellanPRP™ for Each Patient

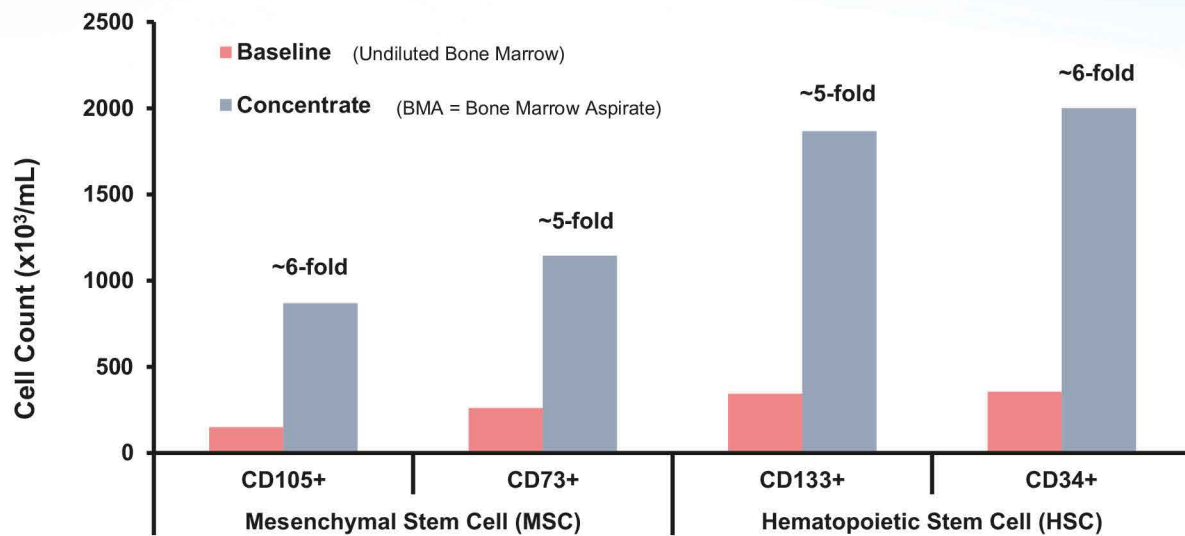
With a simple push of a button you can customize PRP

60 ml of blood processed to 6 ml delivers a platelet concentration of 7.2 times baseline (see customization graph below). It is important to determine the volume needed for each application and process the appropriate volume of blood to keep platelet concentration at therapeutic levels.

Arteriocyte Source TS-0078-182



Stem Cell Concentrations



AMSI Source: TS-001A-008



Autologous

From the Patient, For the Patient

Give your patients the assurance of knowing that the product is from them, for them.

Built to Concentrate

The Magellan is not your everyday centrifuge. Unlike the lab centrifuges that have been repurposed, the Magellan® was specifically designed to fractionate blood at bed-side.

This fully automated system processes the blood without need for manual manipulation. At the end of its cycle the MagellanPRP™ is delivered into a collection syringe and is ready for immediate application.

Key Features:

- Fully Contained - Automated System
- Self Balancing Disposable Canister Eliminates Counterweights
- Electronic Sensor Facilitates Separation Phases
- Lightweight - Space Saving Design



Fully Automated



***1221 Brickell Ave. Suite 900
Miami, FL 33131 USA
+1 (786) 613 1974
www.hcbiologics.com
info@hcbiologics.com***

