

RegenKit® THT

Autologous Platelet Rich Plasma (A-PRP) System Comparison

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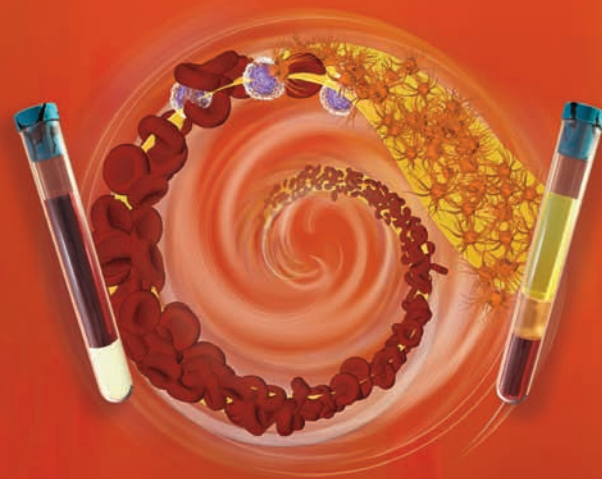
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Platelet Rich Plasma

System Comparison

Introduction



The RegenKit THT is designed to be used for the safe and rapid preparation of autologous platelet-rich plasma (A-PRP) from a small sample of blood at the patient's point of care. After preparation, the A-PRP can be used with autograft and/or allograft bone prior to application to an orthopaedic surgical site, as deemed necessary by clinical use requirements.

Not All PRP Systems are Created Equal!

The RegenKit THT system allows for:

- Simplicity
- Low Volume Blood Draw
- Optimum Platelet Recovery
- Consistent Isolation of Platelet Concentrate and Plasma
- Leukocytes At Physiological Levels
- Red Cell Depletion



Features and Potential Benefits

Simplicity

Single tube preparation, in combination with a minimal 8 minute centrifuge spin time, helps maximize efficiency in the office and O.R. setting. A reduction in the number of steps for platelet preparation can provide simplicity for the medical staff.

Low Volume Blood Draw Required¹

The RegenKit THT allows for a reduced blood draw volume of 8cc.

Optimum Platelet Recovery¹

The RegenKit THT is designed to provide >90% platelet recovery, while delivering 5cc of concentrated PRP. Platelet concentration in PRP is 1.7x greater than in whole blood.

Consistent Isolation of Platelet Concentration and Plasma

The RegenKit THT uses a physical barrier (thixotropic gel) to separate red blood cells from whole blood to produce a platelet-rich plasma preparation and help minimize potential operator errors.

Leukocytes At Physiological Levels

The RegenKit THT allows the level of leukocytes to be maintained at physiological levels.

Red Cell Depletion

The level of Red Blood Cells is drastically reduced, with 95% of RBCs removed from whole blood.¹

System Name	Simplicity in Steps & Spin Cycle Time ≤ 8 min	Blood Volume Draw < 10 cc	Platelet Recovery > 95%	Consistent Isolation of Platelet Concentration & Plasma	Depletion of RBC's > 95%	Leukocytes at Physiological Levels
Stryker RegenKit THT ¹	✓	✓	✓	✓	✓	✓
Arthrex ACP ⁴	✓	✓			✓	None
Cascade Fibrinet ⁵		✓		✓	✓	Low
Biomet GPS ^{2,6}				✓		Concentrated
Arteriocyte Magellan ^{3,6}				✓		Concentrated
Harvest SmartPrep ⁷				✓		Concentrated

References:

(1)Study Report – Regen THT Tube Performance Testing, USFDA 510(k) BK090048, May 2010, Data on file at RegenLab, Switzerland; (2)Biomet website: <http://www.biomet.com/biologics/whyGPS.cfm>; (3)Magellan/Arteriocyte website and literature piece; (4)Arthrex ACP brochure; comparative chart in RegenLab presentations; (5) Comparative data with FIBRINET[®] and RegenKit[®] THT from 510K (BK090048) (6)IKeyy, et al, Comparison of Methods for Point of Care Preparation of Autologous Platelet Gel, JECT, 2004; 36:28-35.