

RegenKit® THT

Autologous Platelet Rich Plasma (A-PRP)

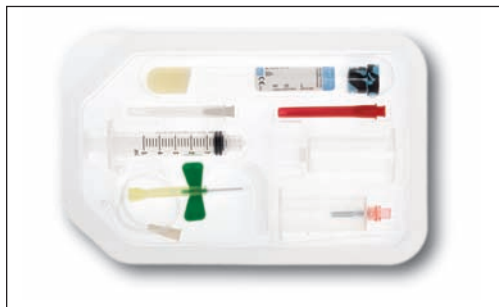
Overview

- Preparation of autologous platelet-rich plasma (A-PRP) from a small sample of blood
- Can be mixed with autograft and allograft bone prior to application to an orthopaedic surgical site
- Packaged sterile in single use kits
- Class IIb medical device
- Kits used in conjunction with clinical centrifuge and centrifuge balancing tube
- Separating agent in test tube is a thixotropic gel
- 8mL venous blood drawn from patient
- Spin speed on centrifuge is recommended at 1500RCF (relative centrifugal force) for 8 minutes
- If 8mL of venous blood are drawn, the resulting volume of A-PRP will be 5mL

Disposable Kit Components (8495-9-001)



SAFETY-Lok™ blood collection set
(luer adapter)



Vacutainer®
blood transfer device



Vacutainer® Holder



Regen™ THT tube



27 G grey needle



18 G red needle



5-ml Luer-Lok™ syringe

Stryker Universal Centrifuge (8495-9-010)



Balancing Tube (8495-9-998 3-pack)

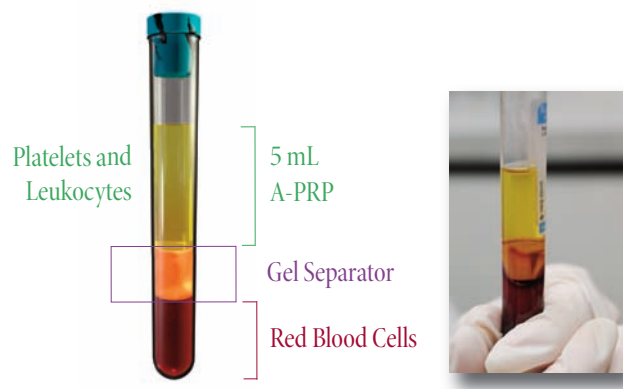


Before



8 mL
Venous Blood

After



Platelets and
Leukocytes

5 mL
A-PRP

Gel Separator

Red Blood Cells

Tips and Tricks

- Make sure that the outlet is grounded appropriately so it may accept the centrifuge plug
- It's critical that the centrifuge is balanced appropriately and set on an even surface
- If an odd number of tubes are being spun, the balancing tube needs to be utilized
- Balancing tube needs to be injected with saline or water (DO NOT BREAK SEAL ON TUBE CAP)
- Ensure the filled test tube is inverted gently, not shaken
- Ensure proper RCF settings on centrifuge; anything over 2200 RCF is likely to cause tube breakage
- When using Stryker Universal centrifuge, settings should be 34 on speed indicator and 8 min. on time setting
- Ensure the test tube after centrifugation is inverted gently to resuspend the platelets and leukocytes

Potential Competitive Advantages^{1, 2, 3}

- Consistency: >90% platelet recovery with 1.7x concentration levels
- Simplicity: Self contained in one tube, no need to transfer or inject additional components (anti-coagulants, etc.) for functionality; centrifuge 'set it and forget it'
- Pricing: competitively set
- Blood Draw Volume: 8mL required, as compared to competitors as high as 60mL
- Depletion of RBC's: with 95% of redblood cells removed from whole blood
- Retention of WBC's: at physiological levels

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EMS Equipment

PART NUMBER	DESCRIPTION
8495-9-001	RegenKit THT1
8495-9-010	Stryker Universal Centrifuge
8495-9-998	Balancing Tube 3-Pack

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