

# EXACTECH | BIOLOGICS

Preparation Technique



**Accelerate**<sup>®</sup>  
CONCENTRATING SYSTEM

PRP Sport

## PREPARATION TECHNIQUE

### 1 BLOOD DRAW

**Step 1:** Draw the appropriate amount of Anticoagulant Dextrose-A (ACD-A) into either a 30mL or 60mL syringe. Refer to Table 1 for volumes.

**Step 2:** Attach and prime the apheresis needle with ACD-A.

**Step 3:** Draw the appropriate amount of blood, filling the syringe to either 30mL or 60mL. Refer to Table 1 for volumes.

**Step 4:** Gently mix the blood and the ACD-A.

**Table 1**

KIT	ACD-A	Blood	PRP
30mL	3mL	27mL	3mL
60mL	6mL	54mL	6mL

### 2 PRP PROCESSING

**Step 1:** Transfer the blood and ACD-A into the blood separating tube (Figure A).

**Step 2:** Fill the counterbalance with water or saline equivalent to the volume of blood and ACD-A (Figure B).

**Step 3:** Place both tubes in the centrifuge buckets at opposite ends of the rotor (Figures C & D).

**Step 4a (Drucker Centrifuge):** Centrifuge at 2400 rpm, 12 minutes, 0 brake (Figure C).

**Step 4b (Eppendorf Centrifuge):** Centrifuge at 3600 rpm, 10 minutes, 0 brake (Figure D).

**Step 5:** After the centrifuge cycle is complete, carefully place the separating tube in the holder without disturbing the buffycoat (Figure E).

### 3 PRP ASPIRATION

**Step 1:** Attach the female end of the transfer line to the syringe.

**Step 2:** Attach the male end of the transfer line to the blood separating tube (Figure F).

**Step 3:** SLOWLY draw plasma into the syringe. Stop when the buffycoat (red tint) reaches the marker (Figure G).

**Step 4:** Turn the stopcock valve "off" switch towards the 30mL or 60mL plasma aspirating syringe (Figure H).

**Step 5:** Remove the cap and attach a 12mL syringe to the side line connector. Draw the appropriate amount of PRP into the 12mL syringe (Figure I). Refer to Table 1 for volumes.

**Figure A**



**Figure B**



**Figure C**



**Figure D**



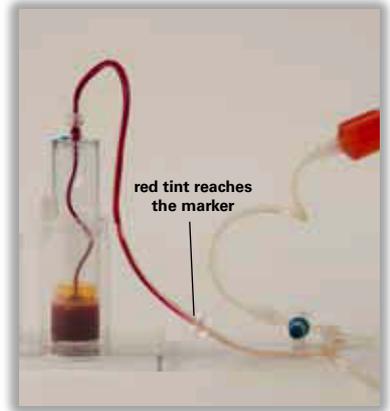
**Figure E**



**Figure F**



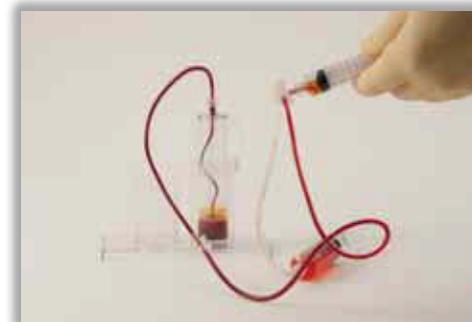
**Figure G**



**Figure H**



**Figure I**



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Accelerate Concentrating System is designed to be used for the safe and rapid preparation of autologous platelet rich plasma (PRP) from a small sample of blood at the patient's point of care. The PRP can be mixed with autograft and allograft bone prior to application to an orthopedic surgical site as deemed necessary by the clinical use requirements.

Please be advised the Accelerate Concentrating System distributed by Exactech is not cleared for specific indications or treatments.

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by EmCyte Corporation and is distributed by



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Accelerate PRP Sport Prep. Tech. 1012



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