

# PRP PREPARATION GUIDE

**Please note!**

**During the preparation of Platelet Rich Plasma, keep the GLO PRP syringe in an upright position unless otherwise stated.**

## Blood collection



- (1). Take 1,5 ml ACD-A or sodium citrate anticoagulant into the GLO PRP syringe.
- (2). Take 8,5 ml blood from the patient by using a scalp vein set (butterfly set). (Draw the lower part of the piston to the level of 10 ml).

## Attaching the RBC collector



- (3). Attach the RBC (red blood cell) collector firmly into the GLO PRP syringe.
- (4). Remove the plunger from the GLO PRP syringe by turning it counterclockwise. (Press the syringe slightly with fingers from the point where the piston is).
- (5). Invert the GLO PRP syringe gently several times.

## 1st centrifugation



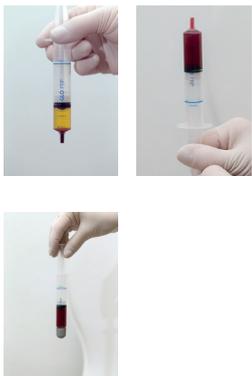
- (6). Insert the GLO PRP syringe into the centrifuge.
- (7). Insert the pink counterbalance into the centrifuge, always opposite from the GLO PRP syringe (if 1 or 3 GLO PRP syringes are used).
- (8). Set up the program: **1200g RCF**  
**Time: 5 minutes**  
Start by pushing "Soft Start"

## Separating the RBC (Red Blood Cell) collector



- (9). Remove the syringe (and the pink counterbalance) from the centrifuge and connect the plunger back into the GLO PRP syringe by turning it clockwise.
- (10). Carefully separate the RBC collector from the GLO PRP syringe and dispose it.

## Discharge of remaining red blood cells and the use of Buffy Coat



- (11). Discharge the remaining RBC from the GLO PRP syringe by pushing down the plunger.  
**PLEASE NOTE:**  
RBC-part pushed down to 0 ml line = with Buffy Coat  
All RBC removed (only clear serum) = without Buffy Coat  
(Take a firm hold of the plunger and the GLO PRP syringe and press firmly but carefully to prevent too much of RBC's to be discharged).
- (12). Turn the GLO PRP syringe upside-down and release the remaining air from the GLO PRP syringe by pushing the content up to the tip.
- (13). Remove the plunger and plug the grey cap firmly on the tip of the GLO PRP syringe.

## 2nd centrifugation



- (14). Insert the GLO PRP syringe and the yellow counterbalance into the centrifuge.
- (15). Set up the program: **1200g RCF**  
**Time: 10 minutes**  
Start by pushing "Soft Start"
- (16). Remove the syringe from the centrifuge and connect the plunger back into the GLO PRP syringe.
- (17). Carefully separate the grey cap from the GLO PRP syringe.

## Extraction



- (18). Put the syringe coupler into the GLO PRP syringe.
- (19). Connect the desired syringe (1 ml for example) with the coupler.

## Platelet Rich Plasma (PRP) completion



- (20). PRP can be transferred to the other syringe by pushing the GLO PRP plunger downwards.
- (21). PRP is ready to be used.

**Suggestion: you can prepare the syringes with the PRP activator (CaGI or CaCl) during the 2nd centrifugation. See separate instruction leaflet for activating the PRP.**

# USAGE RESTRICTIONS

- (1). The practitioner is to be thoroughly familiar with the equipment and the procedure prior to using the product.
- (2). The patient is to be made aware of general risks associated with treatment.
- (3). PRP and Platelet Poor Plasma [PPP] concentrates are to be prepared from fresh blood and used rapidly.
- (4). The product cannot be used to other dosing or application.
- (5). Single use device, do not reuse to prevent contamination and infections.
- (6). Do storage at room temperature away from high temperature, high humidity and direct sunlight.
- (7). Do not disassemble, repair or modify the product.
- (8). Sterility guaranteed unless package has been opened or damaged.
- (9). The expiration date is 3 years from sterilizing date.
- (10). The scale mark is within tolerance (1.5ml±5%, 10ml±4%).  
In case of more accurate injection, use other method.

**Preparing Platelet Rich Plasma (PRP) with GLO PRP kit requires a centrifuge with horizontal swing-out rotor.**