

## What is Platelet Rich Plasma (PRP)?

Platelet Rich Plasma (PRP) is a concentrated sample of your own blood composed primarily of high levels of platelets. Platelets are a critical component of the wound healing process. Importantly, platelets contain growth factors that are responsible for stimulating tissue generation and repair.<sup>1-3</sup> Harvest PRP delivers a concentration of platelets and growth factors that is roughly 4-6 times greater than that found in whole blood.<sup>4,5</sup>

## What are Growth Factors?

Growth factors are necessary to initiate tissue repair and regeneration at the wound site. Growth factors derived from platelets are responsible for soft tissue repair, bone regeneration, development of new blood vessels, and stimulation of the wound healing process.<sup>1-3</sup> The highly concentrated level of growth factors found in Harvest PRP may optimize conditions for healing.<sup>4,5</sup>

## Am I a Candidate for PRP?

The use of PRP is considered by many to be a “new frontier” of regenerative therapy. Since clinical studies have shown that PRP can be used in many types of procedures for a wide range of patients, you should discuss your specific treatment with your doctor.



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# Helping Yourself Heal



Understanding how your body's natural growth factors may help optimize the conditions for healing



Platelet Rich Plasma (PRP) is made from a small sample of your own blood (approximately 1.5 oz.). The process concentrates the platelets found in the blood sample. These concentrated platelets contain huge reservoirs of growth factors. Growth factors are natural components of your body. Clinical data has shown that growth factors may enhance and accelerate your body's normal healing process.<sup>1-3,6</sup>

Potential benefits of PRP include: reduced bleeding, diminished pain levels, reduced infection rates, enhanced wound closure, accelerated tissue regeneration, and reduction of overall healing times.<sup>5-12</sup> The use of PRP is a safe, clinically accepted procedure now readily accessible to all segments of the medical profession.

### How Could PRP Be Used for My Treatment?

The use of PRP varies from procedure to procedure. PRP is generally applied topically to the repair site. It is often applied to bone and soft tissue repair sites to accelerate tissue regeneration. Clinical studies have shown that application of PRP can help reduce bleeding, minimize pain, reduce infection rates, and optimize overall healing.<sup>5-12</sup>

### Why is Harvest PRP Preferred over Other Products or Methods?

Harvest PRP delivers the optimal concentration of platelets to promote accelerated healing.<sup>4,5</sup> Harvest PRP contains elevated levels of all your naturally occurring growth factors; these growth factors are maintained in precisely the same ratios found circulating in your body. Many other products simply don't deliver platelets and growth factors at high enough concentrations. Although synthetic products are available, these products typically contain only a single growth factor.

### Is PRP Safe?

Yes. PRP has been used clinically for over a decade. Leading clinicians in specialties such as Dental, Orthopedics, and Reconstructive Surgery routinely use PRP to deliver a cocktail of natural, bioactive growth factors. PRP is derived from a small quantity of your own blood drawn at the time of treatment. Because PRP is made from your own blood, it is insulated against the risk of disease transmission and inflammatory immune responses. PRP is made point-of-care at the time of treatment and under physician's control.

### How is PRP Made?

Preparation of PRP is a simple procedure that can be performed in an office or outpatient setting. The clinician draws a small volume of your blood at the time of treatment. The blood is placed in a specialized centrifuge that spins and automatically separates the red blood cells from the plasma. The plasma is then further centrifuged to concentrate the autologous platelets and hence your natural growth factors. The PRP is then available for your clinician to use as needed. The entire process takes less than 15 minutes and adds no extra time to the procedure.

