Get the most out of Pure PRP

ProTec™ PRP — Simple, consistent preparation meets effective healing

Platelet-rich plasma (PRP) involves getting the most out of viable platelets within plasma. These platelets thrive long enough to distribute healing growth factors to an injury to stimulate recovery.

Preparation that’s easy and consistent

- Blood-separating technology ensures pure PRP — separating gel with anti-coagulant (sodium citrate) physically separates plasma and platelets from red and white blood cells - takes the guess work out of PRP separation
- Only 9 mL of blood and 6-minute centrifuge spin to achieve consistent plasma and platelet separation every time
- Calcium chloride included in vial counterbalances anti-coagulant for effective formation of a fibrin matrix that protects platelets and healing growth factors
- Closed-system preparation results in 4-5 mL of PRP ready for sterile injection into tendon/ligaments, soft-tissue and wounds

Delivering protected platelets

- Simple and effective preparation results in platelets that are 95% viable and are not prematurely activated prior to injection
- Vital growth factors within platelets are protected until activation
- Controlled release of healing growth factors is gradual — over 7 days — consistent with healing times
- The protective fibrin matrix fills the void within an injury and allows for healing cells to migrate, proliferate, and deposit tissue for remodeling

ProTec PRP: pure, protected platelet technology — effective healing with minimal start-up costs
The Healing Power of Pure, Protected Platelets

Optimizing platelet activation and preservation

- Platelet concentration is based on the amount of initial blood drawn and the remaining plasma content when red and white blood cells are separated from it
- ProTec has a concentration of 2x (based on a hematocrit of 50%) — a sufficient concentration for beneficial healing
- 2x concentration does not compromise the additional benefits/proteins plasma may offer. Attempting to achieve higher concentrations by removing more plasma may be done so at the expense of other vital components
- Coagulant helps to optimize the platelets and form a fibrin matrix inside the body post-injection — so platelets remain at the injection site and growth factors release over time
- No added external proteins or thrombin necessary
  - Alternate coagulants may saturate platelets and result in a fast, premature release of growth factors inconsistent with healing times
  - The addition of bovine thrombin has been shown to release the majority of the growth factors in 8 hours. TGF beta (TGF-β – Transforming Growth Factor Beta) and bFGF (Basic Fibroblast Growth Factor), the most common growth factors linked to early wound repair, were almost fully released in just 2 hours
- To date, no studies have identified the “ideal” concentration level for greatest efficacy, as many factors in healing with PRP are patient dependent. However, it has been shown that an excessive concentration may inhibit cellular response and healing

Portable PRP processing and economically smart

- Portable, light-weight centrifuge in a ready-to-go case – adaptable for in-clinic or remote treatments
- Minimal start-up costs: low-cost centrifuge and sterile kits

For more information, visit PureProTec.com


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