



**VACUSERA PRP**  
Platelet-Rich Plasma



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# The Leading Brand in Regenerative Products

## **VACUSERA PRP (Platelet-Rich Plasma):**

VACUSERA PRP products are designed to obtain platelet-rich plasma (PRP) with optimal concentration quickly and easily.

VACUSERA PRP tubes contain sodium citrate to prevent the collected blood from clotting.

VACUSERA Gel PRP tubes contain a cell-separating gel in addition to sodium citrate, offering a faster and more practical application.

## **VACUSERA PRP products include:**

- **VACUSERA PRP Tube Sets** (sets containing only tubes)
- **VACUSERA PRP Kits** (kits including tubes and accessories required for PRP application)

Both product groups are offered to users in two different options: with gel and without gel.





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## PRP (Platelet-Rich Plasma):

PRP application is based on obtaining platelet-rich plasma from whole blood.

### What are Platelets?

Platelets are blood cells that play a role in blood clotting, wound healing, and tissue regeneration.

In cases of bleeding injuries, platelets are activated and release proteins and growth factors (VEGF, IGF, FGF, PDGF, EGF, TGF- $\beta$ ) stored in their granules.

These growth factors promote the activation, proliferation, and differentiation of stem cells, accelerating wound healing and tissue regeneration.

PRP is blood plasma enriched with platelets.

## Mechanism of PRP Application

Healthy human blood consists of approximately 45% blood cells (mostly erythrocytes) and 55% plasma. The majority of blood cells are erythrocytes, while platelets and leukocytes are in the minority.

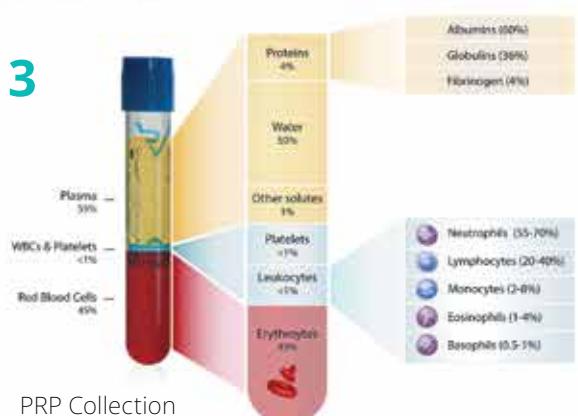
The components of blood can be separated into different fractions by centrifugation based on their molecular weights. The principle of PRP application is to reverse the platelet-to-erythrocyte ratio in whole blood.

After centrifugation, the PRP fraction collected has an increased platelet concentration compared to whole blood while erythrocyte concentration decreases.

PRP is an **autologous application**, meaning that the platelet-rich plasma obtained from the patient's own blood is re-applied to the same patient.

Thus, PRP application carries no significant risk of allergic reactions or tissue rejection.

## 4 Steps of Application





## PRP Usage Areas

### Skin Applications

- Reducing skin sagging
- Eliminating wrinkles
- Enhancing skin texture and treating pigmentation
- Reducing stretch marks, scars and acne scars
- Healing wound and burn scars

### Eye (Ophthalmology)

- Treating dry eye using the drop method
- Treating corneal ulcers and reducing inflammation
- Improving ocular surface syndrome after laser treatment

### Hair Applications

- Increasing blood circulation around hair follicles
- Stimulating hair follicles to support hair growth
- Accelerating hair production
- Preventing hair loss
- Making hair appear shinier and healthier

### Urology

- Treatment of sexual dysfunctions (**P-shot, G-shot, O-shot**)
- Supporting tissue repair in interstitial cystitis treatment
- Genital aesthetic and rejuvenation applications

## Dental Applications

- Accelerating healing in dental implant procedures
- Supporting tissue regeneration in gum treatments
- Speeding up recovery after periodontal surgery
- Use in reconstructive jawbone operations
- Supporting healing after tooth extraction
- Promoting tissue repair in sinus lifting operations

## Orthopedic and Sports Medicine Applications

- Treatment of acute and chronic tendon disorders (**Tendinopathy**)
- Treatment of **Tendinitis** (acute and chronic tendon inflammations)
- Healing of ligament and connective tissue injuries
- Repair of arthritis and cartilage damage
- Supporting the healing of bone tissue injuries

## Wound Treatment

- Healing diabetic wounds
- Used in the treatment of pressure ulcers and bedsores.
- Accelerating surgical wound healing

## Gynecology

- Treatment of birth-related injuries and tissue healing
- Accelerating post-surgical wound healing in gynecological procedures
- Promoting tissue regeneration in cervical ectopy treatment
- Treating vulvar dystrophies
- Supporting healing in urogenital diseases
- Endometrium (uterine lining) treatment
- Rejuvenating vaginal tissues





## VACUSERA PRP

Specifically designed for PRP with an optimal platelet concentration.



## VACUSERA PRP Advantages

### 10 Reasons to Choose VACUSERA PRP

#### 1. Consistently High Quality

VACUSERA PRP products are 100% domestically produced in compliance with the highest quality standards and medical device regulations.

#### 2. Expertise and Experience

The VACUSERA PRP brand belongs to Diseria, a company with nearly **30 years of experience** specializing in the production and development of vacuum blood collection tubes.

#### 3. Ease of Use and Functionality

VACUSERA PRP ensures quick, safe, and user-friendly preparation of PRP with optimal platelet concentration and secure accessories.

#### 4. High Efficiency

VACUSERA PRP allows the extraction of approximately **4 ml of platelet-rich plasma (PRP) from just 8 ml of blood**.

## 5. Safe and Sterile System

PRP is an autologous application derived from the patient's own blood. VACUSERA PRP tubes ensure a **closed and sterile environment**, minimizing the risk of contamination.

## 6. Biocompatibility and Safety Certifications

VACUSERA PRP system has passed all necessary tests for biocompatibility and sterility and is **CE certified in compliance with Directive 93/42/EEC**.

## 7. Rapid PRP Preparation

With a single-step centrifugation process, the VACUSERA PRP system allows PRP preparation **in just 10 minutes**.

## 8. Comprehensive Design

VACUSERA PRP kits include all essential components required for PRP application, from blood collection to injection, eliminating the need for additional products.

## 9. Visible Results

The first effects of VACUSERA PRP applications appear within **two weeks after sessions**. The full regenerative effect reaches its peak **3-4 months after the last session**.

## 10. Easy Accessibility

VACUSERA PRP products are easily accessible through an extensive distribution network.



## REF : 237111A

VACUSERA PRP Kits offer a complete, ready-to-use solution, including all necessary components for PRP application—**from blood collection to injection**—ensuring a seamless process with no need for additional products.

### VACUSERA PRP Kit

- 1 Pc VACUSERA PRP Tube Set
- 1 Pc Blood Collection Needle Holder
- 1 Pc Blood Collection Set with Safety Shield 21G
- 1 Pc Blood Collection Needle 21G
- 1 Pc Spinal Anesthesia Needle 18G
- 2 Pcs Hypodermic Needle 21G
- 1 Pc Hypodermic Needle 30 G
- 2 Pcs Syringe with Luer Lock 5 ml
- 1 Pc Syringe with Luer Lock 2 ml

## REF : 237112A

### VACUSERA PRP Kit with Gel

- 1 Pc VACUSERA PRP Tube Set with Gel
- 1 Pc VACUSERA Blood Collection Needle Holder
- 1 Pc Blood Collection Set with Safety Shield 21G
- 1 Pc Blood Collection Needle 21G
- 1 Pc Transfer Holder
- 1 Pc 30G Hypodermic Needle
- 2 Pcs 5ml Syringe with Luer Lock
- 1 Pc 2 ml Syringe with Luer Lock



## REF : 237101

VACUSERA PRP tubes contain sodium citrate to prevent blood clotting.

### VACUSERA PRP Tube Set

2 Pcs PRP Tube (Sodium Citrate)

1 Pc Re-Suspension Tube



## REF : 237105

### VACUSERA PRP Tube

1 Pc PRP Tube (Sodium Citrate)



## REF : 237102

The VACUSERA PRP Tube Set with Gel contains a cell-separating gel that enables the separation of platelets from erythrocytes and leukocytes. This allows for the easy collection of platelet-rich plasma after the centrifugation process.

### VACUSERA PRP Tube Set with Gel

2 Pcs PRP TUBE Sodium Citrate & Gel

1 Pc Re-Suspension Tube



## REF : 237106

### VACUSERA PRP Tube with Gel

1 Pc PRP TUBE Sodium Citrate & Gel



## The Leading Brand in Regenerative Products.

Revitalize, Strengthen and Transform with the Power of VACUSERA PRP.  
by DİSERA Technology



**VACUSERA PRP** is a brand of Vacusera Biostimulants.

Disera Tibbi Malzeme Lojistik Sanayi ve Ticaret A.Ş.

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