VACUSERA

PRP PRODUCTS

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RESULTS OF THE SCIENTIFIC PROCESS

VACUSERA PRP

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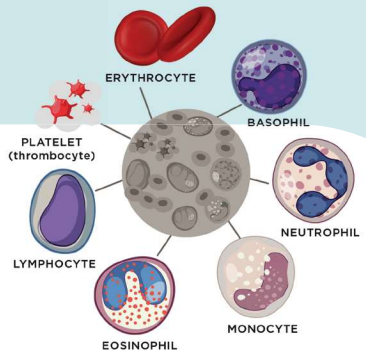
What is PRP

PRP: Platelet-Rich Plasma

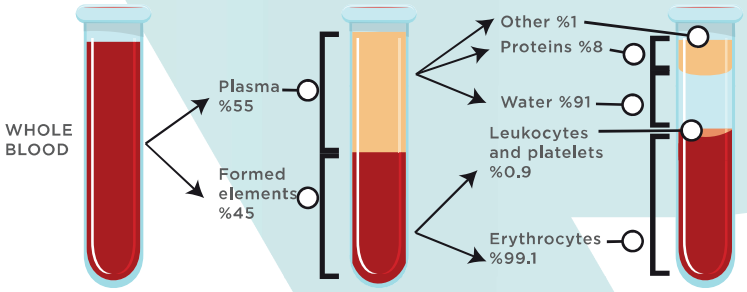
PRP application is based on the principle of obtaining plasma samples with high platelet concentration from whole blood.

Thrombocytes are blood cells that are involved in blood clotting, wound healing and tissue rejuvenation. n case of injuries that cause bleeding, thrombocytes get activated releasing the proteins and growth factors VEGF, IGF, FGF, PDGF, EGF, TGF-) stored in their granules.
Growth factors provide wound healing and tissue ejuvenation by means of activation, proliferation and differentiation of stem cells.
PRP is blood plasma that has been enriched with platelets.



Action Mechanism of PRP Application

Erythrocytes (red blood cells) compose 93% of a healthy human blood whereas thrombocytes (platelets) compose 6% and leukocytes (white blood cells) 1%. Those components forming blood can be separated rom each other by means of centrifugation by the help of their differential molecular weights

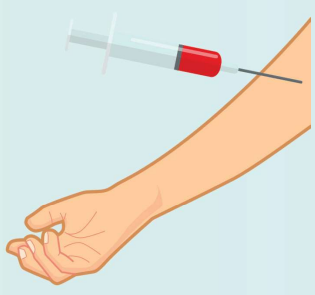


Action Mechanism of PRP application is based on the principle of reversing the thrombocytes : erythrocytes ratio of whole blood. Compared to whole blood, platelet concentration becomes higher and erythrocyte concentration gets lower in the PRP fraction collected after centrifugation.

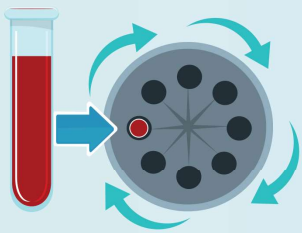
PRP is an autologous application: platelet-rich plasma collected from the patient's own blood is aga applied to the patient himself. Thus, there is no major risks of PRP application such as allergy and rejection.

Application is composed of four basic steps:

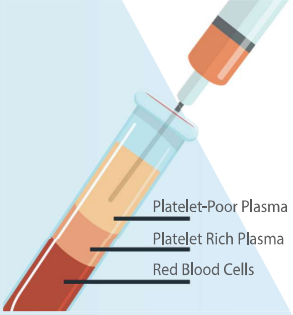
1. Blood Collection



2. Centrifuge



3. PRP Collection



4. Injection

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VACUSERA PRP

VACUSERA PRP Products

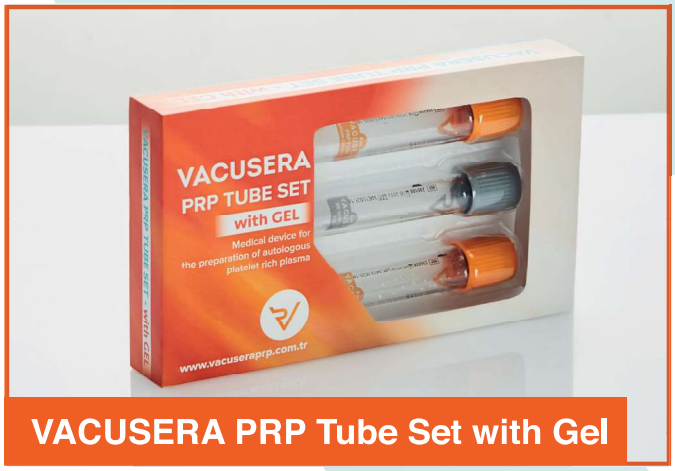
VACUSERA PRP Products are designed to enable rapid and simple collection of PRP with optimum concentration.

VACUSERA PRP Tubes contain sodium citrate solution which helps keeping blood anticoagulated. VACUSERA PRP Tubes with Gel contain cell separator gel in addition to sodium citrate thus provide faster and more practical application.

VACUSERA PRP product groups consist of VACUSERA PRP Tube Sets including only tubes and of VACUSERA PRP Kits including accessories that may be required during PRP application together with tubes. Both PRP Tubes Sets and PRP Kits are offered in two different content: with gel and without gel.

VACUSERA PRP Tube Set

REF: 237101 - VACUSERA PRP Tube Set



VACUSERA PRP Tube Set with Gel

REF: 237102 - VACUSERA PRP Tube Set with Gel

VACUSERA PRP Kit

REF: 237111 - VACUSERA PRP Kit

VACUSERA PRP Kit with Gel

REF: 237112 - VACUSERA PRP Kit with Gel

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VACUSERA PRP

VACUSERA PRP Tube Set

REF: 237101

Content:	2 Pcs	PRP TUBE Sodium Citrate
	1 Pc	RE-SUSPENSION TUBE

VACUSERA PRP Tube Set with Gel

REF: 237102

Content:	2 Pcs	PRP TUBE Sodium Citrate & Gel
	1 Pc	RE-SUSPENSION TUBE

VACUSERA PRP Kit

REF: 237111

Content:	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 30G
	2 Pcs	Syringe with Luer Lock 5ml
	1 Pc	Syringe with Luer Lock 2ml

VACUSERA PRP Kit with Gel

REF: 237112

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

VACUSERA PRP Tube Sets include 2 PRP Tube and 1 Re-suspension Tube. PRP tubes contain sodium citrate to prevent blood clotting. After centrifugation, about 4 ml of plasma obtained from two PRP tubes are collected in the Re-suspension Tube. Thanks to its large internal volume, Re-suspension Tube ensures a homogeneous PRP when inverted.

VACUSERA PRP Tubes with Gel contain cell separator gel which provides separation of thrombocytes from erythrocytes by means of its intermediate density thus enabling easy collection of plasma enriched with thrombocytes after centrifugation.

VACUSERA PRP Kits consist of accessories that can be needed during PRP application such as blood collection set, syringes and needles. When used as recommended, accessories placed in the kits are sufficient for all steps from blood collection to injection and do not require the use of any extra products.

VACUSERA PRP Products are all CE-marked medical devices in accordance with directive 93/42/EEC and have been subjected to all tests such as biocompatibility and sterility as required by the certification.

DISERA offers high quality PRP products to its users with its experience and infrastructure in the production of evacuated blood collection tube since 2014.

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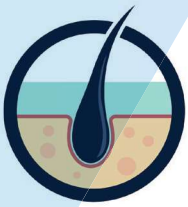
VACUSERA PRP

MEDICAL TREATMENTS

Skin Applications

- Skin resurfacing, lifting, age spot and acne scars, volume correction
- Increasing skin elasticity and correction of skin sagging by improving collagen synthesis
- Removal of scars and burn marks
- Cell regeneration



Hair Applications

- Hair loss treatment by promoting vascularization around hair follicles

Orthopedics & Sports Medicine

- Stopping inflammation, reducing pain and helping the regeneration of bones, cartilage and muscle tissue. Relieving pain, reducing drug use and reducing the need for surgical intervention in the following conditions:
- Healing and stimulation of soft and hard tissues (including bone)
- Increasing bone mineralization, increasing bone density, increasing osteocondixion
- Tendon treatment, acrylation and infiltration treatment
- Strengthening of connective tissues and ligaments
- Acute tendon injuries, ligament and muscle injuries, accelerate healing in arthritis, fractures and surgeries
- Treatment of arthralgia
- Treatment of subacute and chronic sports injuries such as Jumper's knee and Rotator cuff
- Treatment of chronic tendinopathies
- Treatment of nerve injuries

Dental Applications

Providing rapid tissue healing and low risk of inflammation in the following cases

- Dental implant treatments
- Sinus lifting
- Oral surgery
- Gingival treatments
- Reconstructive jawbone operations
- Periodontal operations

Orthopedics & Sports Medicine

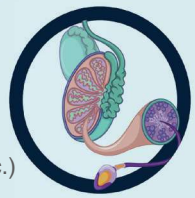
- Corneal ulcer treatment
- Dry eye treatment

Wound Management

- Treatment of leg ulcers
- Treatment of diabetic ulcers
- Treatment of pressure ulcers

Gynecology

- Wound and tissue healing that occurs during birth
- Wound treatment after gynecological surgery
- Tissue healing in the treatment of cervical ectopia
- Treatment of Vulvar Dystrophies (Lichen sclerosis, etc.)
- Treatment of urogenital disease
- Vaginal tissue regeneration



Urology

- Treatment of erectile dysfunction
- Treatment of lower urinary tract disorders such as interstitial cystitis

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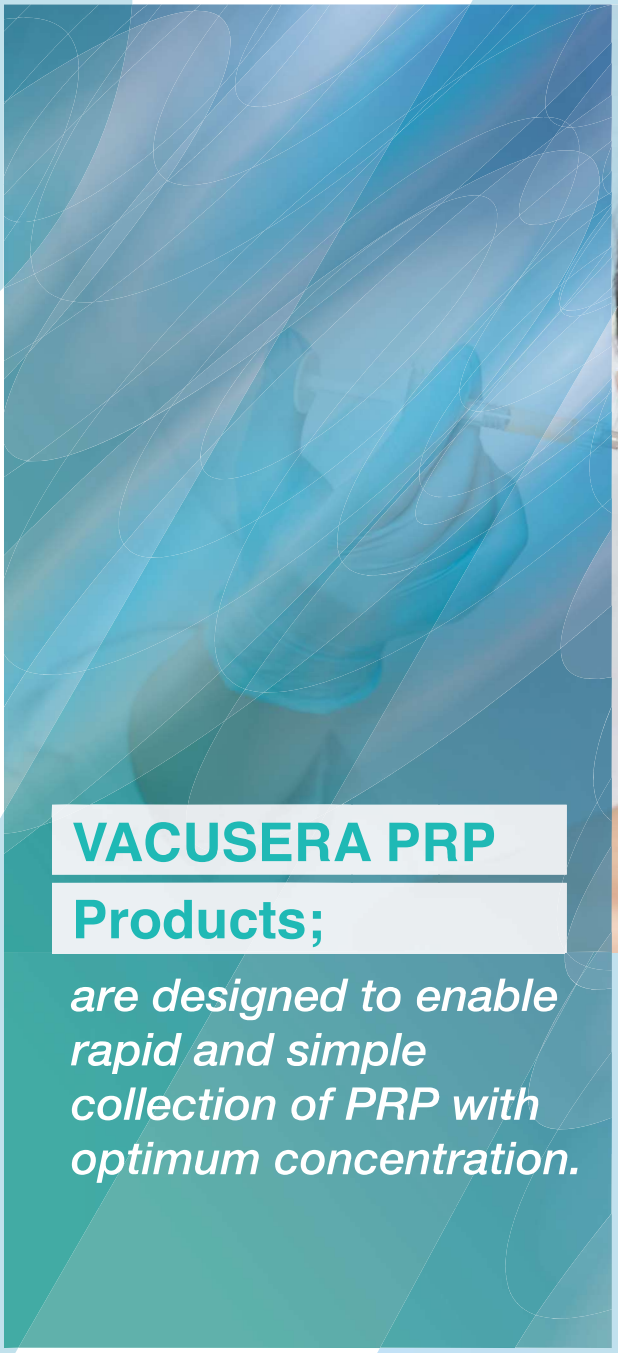

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www.vacuseraprp.com.tr

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