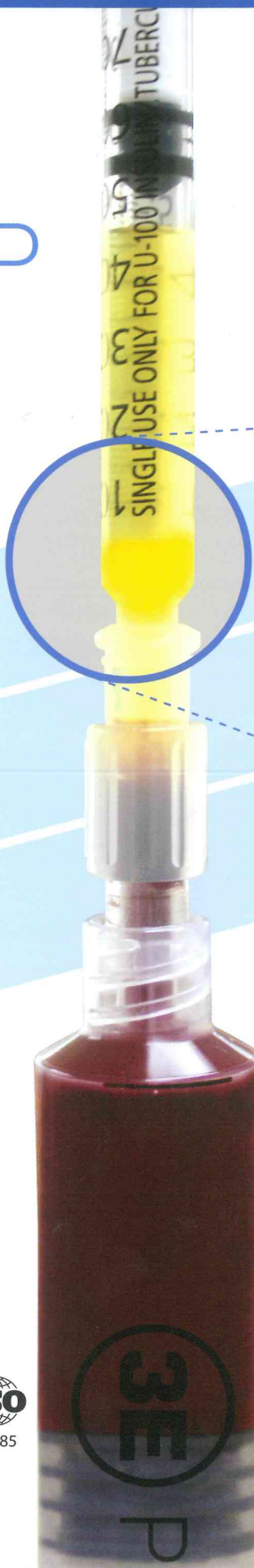


Worldwide Best
Extract
High Concentrated Platelet

3E PRP

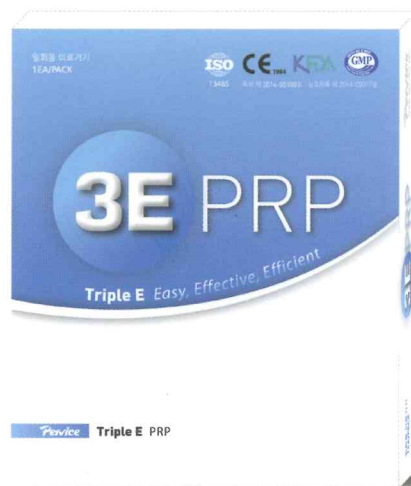
Buffy Coat Only !



Easy

Effective

Efficient



Patent No. 2014-0005100

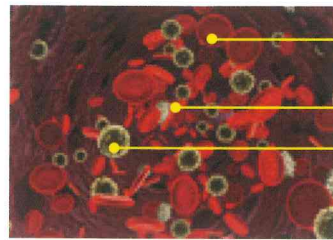
Trademark Registration No. 2014-0009317

PCT No. PCT/KR2014/011427



SINGLE USE ONLY FOR U-100 INSULIN TUBERCULIN

What is PRP?



RBC
Platelet
Leukocyte

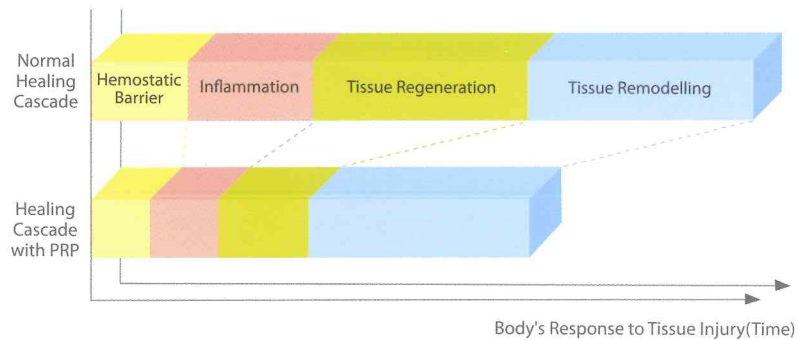


Plasma
Buffy Coat **PRP**
Red Blood Cell

PRP refers to Platelet Rich Plasma. In the blood cell, platelet contains many different healing factors and growth factors. PRP (Platelet Rich Plasma) means concentrated all growth factors in Plasma.

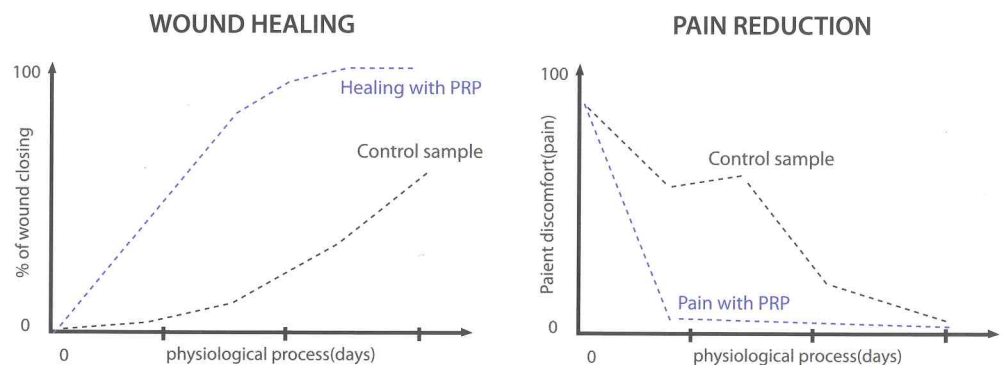
EFFECTS OF PRP

PRP affects fast wound healing and help pain control.



PRP reduces the time it takes for wound healing, which occurs in the order of **hemostasis, inflammation, regeneration and remodelling.**

Timeline in wound healing and pain reduction



What is 3E PRP?

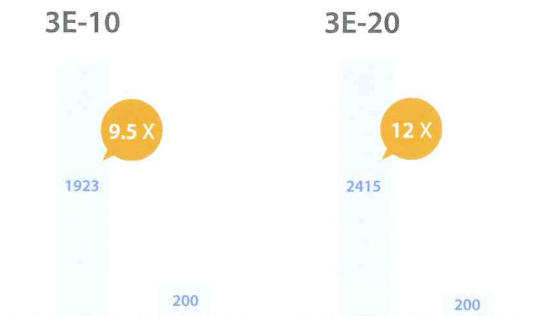


3E-PRP is a patented, innovative PRP (Platelet Rich Plasma) kit. 3E-PRP kit is designed as All-in-one kit for rapid use and easy extraction of highly enriched PRP.

Innovative Triple E

- Easy
- Efficient
- Effective

3E PRP Concentrated Platelet Rate



PRP kit quality results can assume from PLT rates. The 3E-PRP PLT rates coming from 10cc is approx. 1,923 and 20cc is approx. 2,415 compare with normal blood. It is 9.5 times and 12 times higher than normal blood PLT rates.

ADVANTAGES OF 3E PRP

All-in-One kit



All-in-one kit allows no additional syringe in needed for the PRP separation.

Safety

1. Sterilization Product			
Product Name	혈액처리용기구 (3E-10)		
Spec Quantity	30/30	2000	
Lot	104007		
2. Sterilization (2009 year)			
Sterilization Date	2014.04.10		
Sterilized Lot	140407		
E.O. Gas Lot - No	14-04		
Inspected E.O. Gas Weight(Kg)	11.5		
3. Sterilizer Process (Validation Report No: MDS-SV-R-03 By ISO11135-1)			
Contents	Standard(Limits)	Results	
Sterilization Pattern	No 1	1	
Pre-conditioning Time	Time to heat Chamber until 55(± 3) °C	-	
E.O. Exposure	Temp: 55(± 3) °C	58	
	Humidity: 45(± 1.0) %	45	
	E.O. Gas pressure: 75(± 5) kpa	75	
	Time: 5 hours	5	
E.O. Gas Exhaust	3 Times(600±50mmHg)	3	
4. B.I			
B.I	Facilities atmosphere ATCC9712 2.2 X10 ⁶ as per ISO11135		
Expiration	2014.12.24		
Lot	0155		
Resistor No.	EZE-08 By SCM		
Culture	E.Z.T Media 35-39 °C		
5. Sterility Test			
Contents	I.R.T Test Quantity	Incubation Temp- Incubation Time	Control
Standard	10 (No color change)	37 °C 48hours	Yellow color change
Results	10/10(passed)	37 °C 48hours	Yellow color change

Quality Assurance has reviewed the quality inspection and sterilization records of the lot listed above and certifies that the aforementioned sterile product was in accordance with EO validation SV981 city ISO11135-1 after product quality and safety.

Name: Kim Dong Yul Date: 2014.04.10

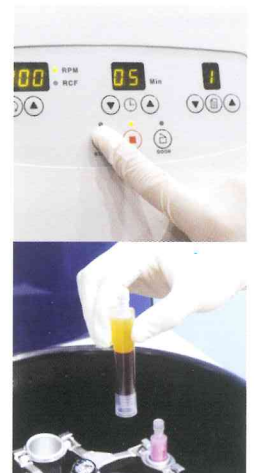
3E-PRP's all components are sterilized. The PRP is biological tissues so you can minimize the contamination and enhance the safety by 3E-PRP kit.

Push-up



The 3E PRP kit's push-up method helps the shorten the time and reduce the risk from the using the needle when extract the PRP

Just One spin



The 3E PRP kit need just one spin for 5minutes(10cc) . So it takes totally 12 minutes to get the PRP.

PRP APPLICATION

Dermatology



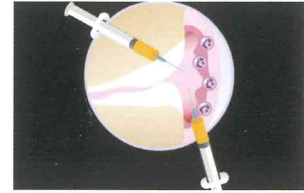
Skin recover
Anti-aging
Wrinkle
Pimple marks

Plastic Surgery



Burn
Autoplastic fat
Transplantation
Skin recover
Remove tattoo

Orthopedic, Rehab



Tennis elbow
Golf elbow
Achilles
Ham string
Knee arthritis

Ophthalmology



Vision Correction
Dry eyes
Glaucoma
Eye plastic

Liposotrichia clinic



Hair transplant
Hair skin recover
Hair skin care

Dentistry



Implant
Periodontal recover
Remove teeth

FUNCTIONS OF GROWTH FACTORS

Growth factor	Function
PDGF : Platelet-derived growth factor	<ul style="list-style-type: none"> · Induces cell proliferation and stem cell replication · Stimulates osteoblast proliferation and osteoid tissue production · Stimulates endothelial cell proliferation, angiogenesis and fibroblast proliferation
TGF-β : Transforming growth factor beta	<ul style="list-style-type: none"> · Stimulates cell replication and production · Induces cartilage and bone tissue differentiation · Facilitates mesenchymal cell differentiation and angiogenesis
VEGF : Vascular endothelial growth factor	<ul style="list-style-type: none"> · Stimulates the production of basal plate · Pericyte supplementation, angiogenesis
EGF : Epidermal growth factor	<ul style="list-style-type: none"> · Stimulates epithelial cell growth · Induces angiogenesis for rapid wound recovery
FGF : Fibroblast growth factor	<ul style="list-style-type: none"> · Helps collagen regeneration and recovery of damaged tissue

User Guide

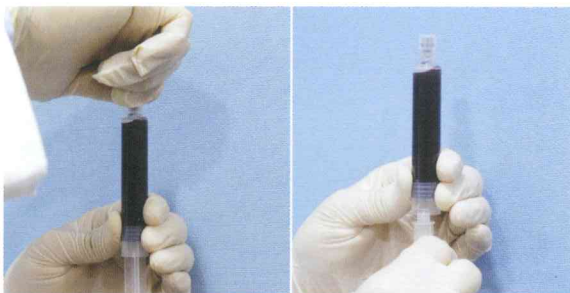
1 Blood Collection

Connect the 23G needle to the 10ml tube and extract the 1.5ml of ACD-A. And replace the needle and collect 8.5ml of blood from patient.



2 Preparation

Seal the entrance with the cap and remove the plunger by turning it anticlockwise and swing the tube gently to mix the anticoagulant and blood.



3 Centrifuge

Place the 10ml tube into the centrifuge and run it for 5 minutes at 3000rpm.



4 Extraction

Push the plunger up to extract ppp (5ml), prp (1ml) into syringes



5 Completion

Connect the 5ml, 1ml syringe and inject the PRP, PPP in the desired area.



Pervice

Pervice

Patent No. 2014-0005100
Registration No. 2014-009317
PCT Patent No. PCT/KR2014/011427

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