

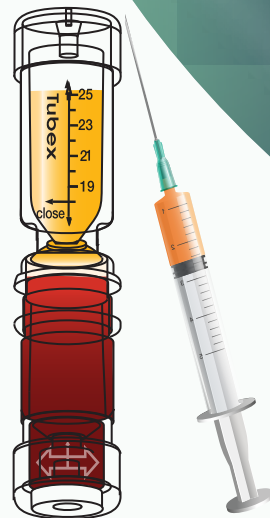
**TriPREP<sup>®</sup>**  
**Tubexplus<sup>®</sup>**  
(Leukocyte Depleted PRP Kit)

**| Maximizes Platelet Recovery**

Enhanced Tissue Regeneration

**| Minimizes Pro-Inflammatory WBCs**

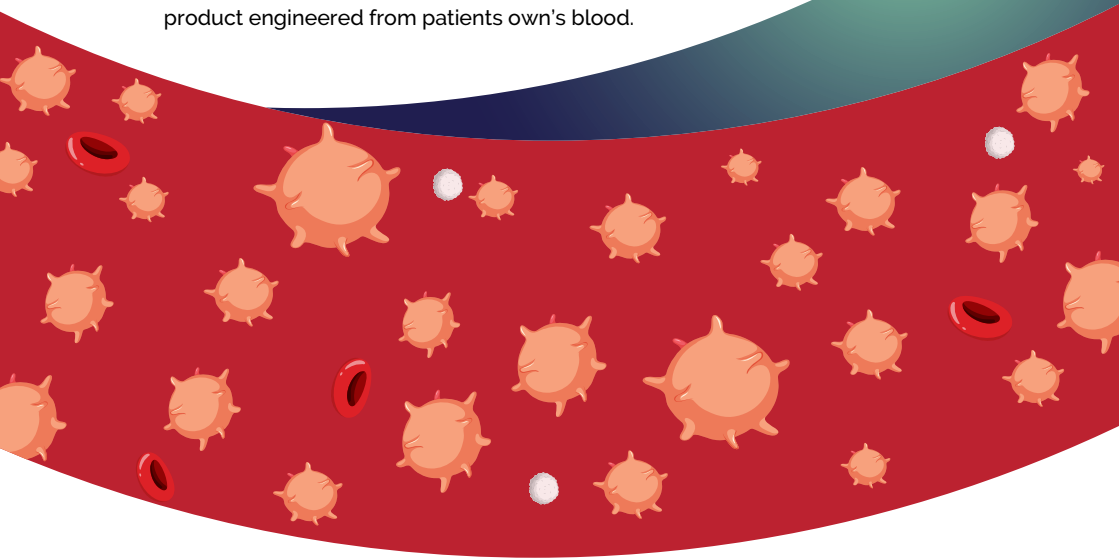
Extended Pain Relief



CE 1023 | GMP | FDA | ISO13485 | US Patent 8343426B2

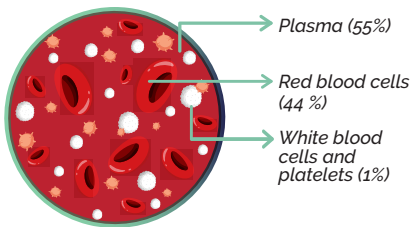
# What is Leukocyte Poor PRP (LP-PRP)?

- ➔ Leukocyte-poor platelet-rich plasma (LP-PRP) is derived from peripheral blood that contains a rich source of growth factors to stimulate soft tissue healing and repair.
- ➔ It is defined as a safe, biocompatible, autologous biological product engineered from patients own's blood.

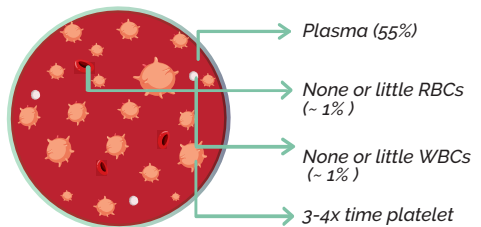


Normally,

➔ Whole blood is made up of,

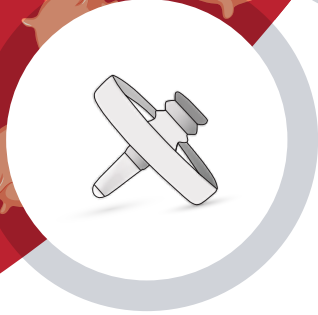


➔ Leukocyte-poor PRP contains,



Therefore LP-PRP contains,

- ➔ Concentrated amounts of healing factors such as PDGF, VEGF, FGF and EGF.
- ➔ Enhanced bioactive proteins and growth factors such as IGF-1, TGF- $\beta$ .
- ➔ High amounts of stem cells markers vital for tissue regeneration and repair.



## Why LP-PRP therapy?

LP-PRP is characterized by significantly reduced percentage of pro-inflammatory WBCs that cause cell death and tissue damage.

LP-PRP is nearly devoid of any white blood cells with enhanced platelet concentrate that facilitates boosted tissue healing without any pain or discomfort.

LP-PRP also releases anti-inflammatory molecules that stimulate tissue regeneration without any excessive inflammation.

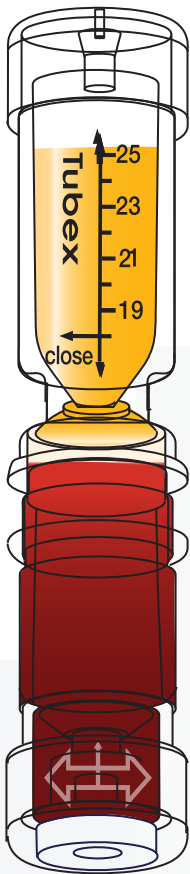
## Studies Suggest

High white blood cells concentrations in PRP have shown to increase the expression of inflammatory markers causing cell death and painful reactions.

LP-PRP minimizes the presence of the inflammatory cytokines and cause a major accumulation to the growth factors molecules in the tissue matrix.

Intra-articular LP-PRP injections devoid of white blood cells for mild to moderate osteoarthritis (OA) have been reported to reduce pain and heal tissues without any excessive inflammation or swelling.

# What is Tubex<sup>®</sup>plus?



This unique product combines the dual-benefits for selective extraction of high concentrate Leukocyte Poor Platelet Rich Plasma (LP-PRP).

- 1 Tubex<sup>®</sup> PRP/Cell Concentration
- 2 State-of-art proprietary cellular filtration system



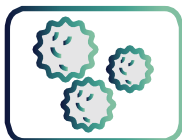
# Features



**Maximizes Platelet Recovery**



**Enhanced Tissue Regeneration**



**Minimizes pro-inflammatory WBCs**



**Extended Pain Relief**

## Why Tubexplus<sup>®</sup> ?

Contains proprietary state-of-art Nanofiber Leukocyte reduction filter.

Ensures 90% Platelet Recovery.

Facilitates 90% WBC Removal from PRP.

Generates True Leukocyte Poor PRP.

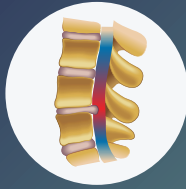
# Benefits



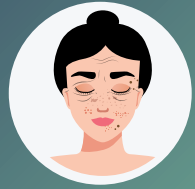
## → Indications



Osteoarthritis



Herniated Disk



Scars and Anti-ageing



Under-eye rejuvenation



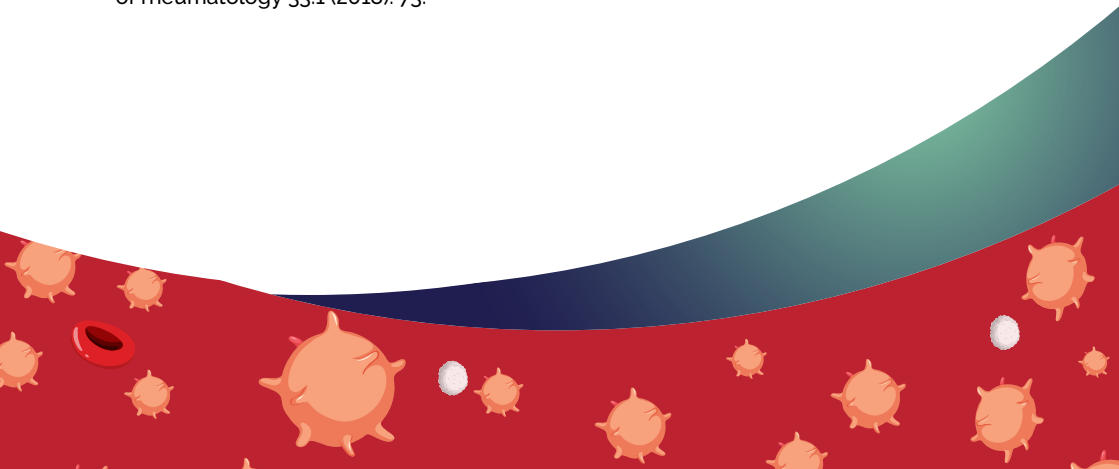
Alopecia



Plantar Fasciitis

## References:

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4. Wang, Shan-zheng, et al. "Is exclusion of leukocytes from platelet-rich plasma (PRP) a better choice for early intervertebral disc regeneration?."
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## Contact Us



+91 9500080399  
+91 9500076025



support@tricellbio.com  
www.tricellbio.com



Plot No.4&5 Dhanarajapuram, Kolathur,  
Chennai - 600 099. Tamilnadu, India.

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