



RegenPRP™ Therapy

Restoring
confidence
in everyday life

urology

**Regen Lab SA is an ISO 13485:2016 and MDSAP
certified medical device manufacturer.**

Regen Lab® offers medical devices for the preparation of platelet-rich plasma (RegenPRP™). As a research-based company, we continuously develop our products in cooperation with renowned experts.

All products are CE certified and approved by most national authorities worldwide. Regen Lab® is always committed to providing products of the highest quality and safety for physicians and patients. In addition, Regen Lab® is committed to enforcing its intellectual property.

Patented by Regen Lab SA - Platelet Rich Plasma

US Patent US8529957,
European Patent EP2073862B,
Swiss Patent CH696752

EC REP

Regen Lab France S.A.S.
2 Avenue de Laponie
91940 les Ulis
France
Tel. +33 (0)1 42 00 22 90
Fax. +33 (0)1 84 10 93 85



Regen Lab SA
En Budron B2
1052 Le Mont-Sur-Lausanne
Switzerland
Tel. +41 (0)21 864 0111 – Fax. +41 (0)21 864 0110
www.regenlab.com



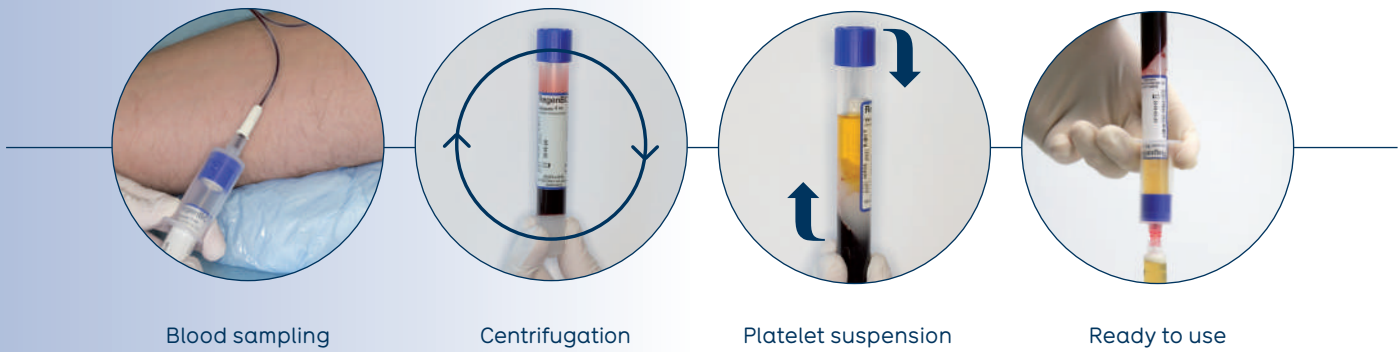
Regen Lab® is an innovative company in the field of medical devices for the preparation of platelet-rich plasma.

Registered with most of the world’s national regulatory agencies, Regen Lab® medical devices are of high quality and CE certified, with the aim of guaranteeing its prescribers and users safety and protection.

The safety and efficacy of this medical device for producing RegenPRP™ have been evaluated in clinical studies and are constantly being improved through post-marketing clinical monitoring.

TECHNOLOGY PLATFORM FOR STANDARDISED AUTOLOGOUS REGENERATIVE MEDICINE

Simple, effective bedside preparation of autologous platelet-rich plasma.



CHARACTERISTICS OF THE TECHNOLOGY ⁴

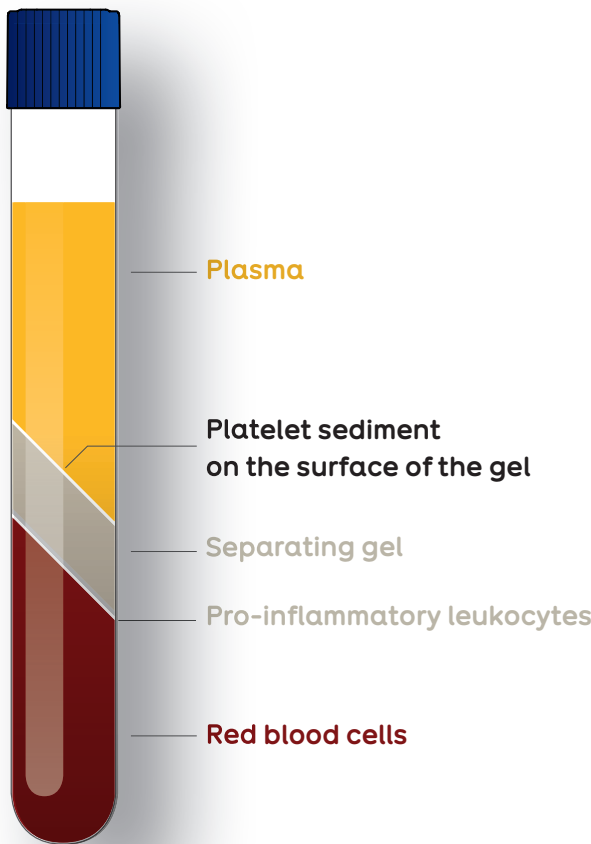
- Standardised, operator-independent preparation
- Low volume of blood required
- Closed system, with no contact with the outside
- Mechanical separation of PRP after 5-minute centrifugation using a biologically inert thixotropic gel
- Reversible anticoagulation with a pharmaceutical-grade sodium citrate solution at pH 7
- Fast learning curve and ease of use
- Operationally and clinically efficient process
- Facilitates and streamlines daily practice

BIOLOGICAL CHARACTERISTICS ⁵

- RegenPRP™ is standardised and easily reproducible, Regen Lab's specific gel separation technology ensures minimal variability
- Platelet recovery > 80%
- High platelet quality. Viable and functional platelets
- Complete plasma recovery. No loss of plasma growth factors and fibrinogen
- PRP low in leukocytes. Depletion of ~ 96.7% of pro-inflammatory granulocytes, leaving mainly lymphocytes and monocytes
- Elimination of almost all red blood cellsDepletion of ~ 99.7% of erythrocytes

SCIENTIFIC CHARACTERISTICS OF REGENPRP™

- Proven safety and efficacy
- Results based on clinical evidence in numerous therapeutic indications
- Large number of clinical studies, over 200 publications



What is RegenPRP™?

RegenPRP™: platelet concentrate prepared with Regen Lab technology containing a reserve of autologous growth factors.

Platelets, in addition to their role in haemostasis, are key factors in tissue repair mechanisms ¹. They provide essential growth factors, such as FGF, PDGF, TGF-β, EGF, VEGF, IGF, which are involved in stem cell migration, differentiation and proliferation. Platelet growth factors also stimulate fibroblasts and endothelial cells to activate the synthesis of a new extracellular matrix and neovascularisation.

Plasma contains many factors essential for cell survival, including nutrients, vitamins, hormones, electrolytes, growth factors (such as IGF and HGF) and proteins. Among these plasma proteins are molecules vital for the coagulation process and for the formation of fibrin polymers that facilitate cell migration and the synthesis of new tissues ².

Platelet-rich plasma

- Demonstrated activity in tissue healing, with key roles in cell migration, proliferation and differentiation.
- Mechanism of action includes anti-inflammatory activity and activation of cell signalling cascades.
- Key role in the synthesis of a new extracellular matrix for tissue regeneration.

RegenKit® technology ³

RegenKit® kits are medical devices designed for the preparation of RegenPRP™. They contain RegenBCT® tubes and accessories for blood sampling and PRP recovery. RegenBCT® tubes are made of pharmaceutical grade glass with a vacuum for automatic blood sampling of 10 ml. They contain a sodium citrate anticoagulant solution and a thixotropic gel to separate plasma and platelets from blood cells and produce RegenPRP™ with a standardised composition.

PROPERTIES OF RegenBCT® TUBES	VOLUME OF BLOOD PER TUBE	VOLUME OF PRP PER TUBE	PLATELET RECOVERY	ELIMINATION OF RED BLOOD CELLS	PLATELET CONCENTRATION FACTOR (NATIVE)
	10 ml	5 bis 6 ml	> 80 %	> 99,7 %	1,6 ×

RegenKit-BCT kits have an excellent safety profile in clinical practice.

[1] Fountain JH, Lappin SL. Physiology, Platelet. StatPearlsPublishing, Treasure Island (FL), 2019.
[2] Mathew J, Varacallo M. Physiology, Blood Plasma. StatPearlsPublishing, Treasure Island (FL), 2019.
[3] Regen Lab SA, Regen BCT. Evaluation on 60 volunteers cell counts & functionality performance, 2017.
[4] CER-RegenKit V4.0
[5] Summary of new RegenBCT and A-CP tube performance tests 2017, data on file