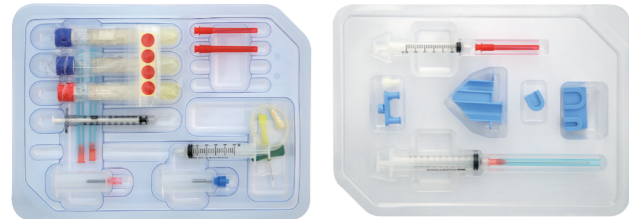


# RegenKit A-PRP® Plus



## INTENDED USE OF THE DEVICE

Preparation of Autologous Platelet Rich Plasma & other plasma-derived products

CE 2797

Intellectual Property Rights (IPRs) as Core Assets  
www.regenlab.com/patents

## ORDERING INFORMATION

### RegenKit-BCT-1 Plus

Ref: RK-BCT-1A

1 Safety-Lok™ Butterfly needle  
1 Collection holder  
1 RegenBCT tube  
1 RegenATS tube  
1 Transfer device  
1 transfer needle  
1 x 5 ml Luer-Lok™ syringes

### RegenKit-BCT-2 Plus

Ref: RK-BCT-2A

1 Safety-Lok™ Butterfly needle  
1 Collection holder  
2 RegenBCT tubes  
1 RegenATS tube  
1 Transfer device  
2 transfer needles  
2 x 5 ml Luer-Lok™ syringes

### RegenKit® Surgery

Ref: RK-SRG-AZ/BA1

1 Safety-Lok™ Butterfly needle,  
1 Collection holder,  
1 Transfer device,  
2 RegenBCT tubes,  
1 RegenATS tube,  
1 x 1 ml Luer-Lok™ syringe,  
1 x 5 ml Luer-Lok™ syringe,  
2 transfer needles,  
2 x 80 mm transfer cannulas,  
Self-adhesive discs.

### Spray Applicator

1 x 10 ml Luer-Lok™ syringe,  
1 Nozzle for spray application,  
1 double piston stopper,  
1 Applicator syringe holder,  
1 x 3 ml Luer-Lok™ syringe,  
1 Luer-lock connector (FM),  
1 x 80 mm transfer cannula,  
1 transfer needle.

### Regen Spray Applicator

Ref: R-A/NAC1

1 X 1 ml Luer lock syringe  
2 Red transfer needles  
1 3 ml Luer lock syringe  
1 10 ml Luer lock syringe  
1 Luer connector  
1 Nozzle for spray application  
1 double piston stopper  
1 3:10 ratio adapter  
1 Applicator syringe holder

One Step  
Closed  
System!

## PRODUCT

# Quality

ISO 13485 Certified  
Patented Innovations  
+1 Million Patients treated  
CE Certified

## PATIENT

# Safety

GMP Manufacturing  
Class IIb Medical Devices  
Non Pyrogenic - Sterile

## A-PRP®

# Efficacy

Dedicated Kits for  
specific preparations  
+ 100 published studies

### Patented by Regen Lab SA - Platelet Rich Plasma

U.S. patent US8529957,  
European patent EP2073862B,  
Swiss patent CH696752

A-PRP-ATS-MD-V191114

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# RegenKit A-PRP Plus

## Autologous Thrombin Serum

## Platelet Activation via Physiological Pathway



Platelet gel is a simple, inexpensive and minimally invasive procedure that provides a concentrate of autologous growth factors.

**regenlab**

PRP & CELL THERAPY SPECIALISTS

# WHAT IS A-PRP<sup>®</sup> Plus Autologous Thrombin Serum

**A-PRP** : The patient's platelet concentrate prepared with RegenKit<sup>®</sup>

**Platelets** are key factors in hard and soft tissue repair mechanisms<sup>1</sup>. They provide essential growth factors, such as FGF, PDGF, TGF- $\beta$ , EGF, VEGF, which are involved in stem cell migration, differentiation and proliferation. They also stimulate fibroblasts and endothelial cells to induce respectively new extracellular matrix deposition and neo-vascularisation. The platelets are concentrated from the patient's own blood plasma.

**Plasma** contains many factors essential for cell survival including nutrients, vitamins, hormones, electrolytes, growth factors such as IGF and HGF, and proteins. Among the plasma proteins, there are vital molecules for the coagulation process and generation of the fibrin polymer that will serve as a scaffold for cell migration and new tissue generation.

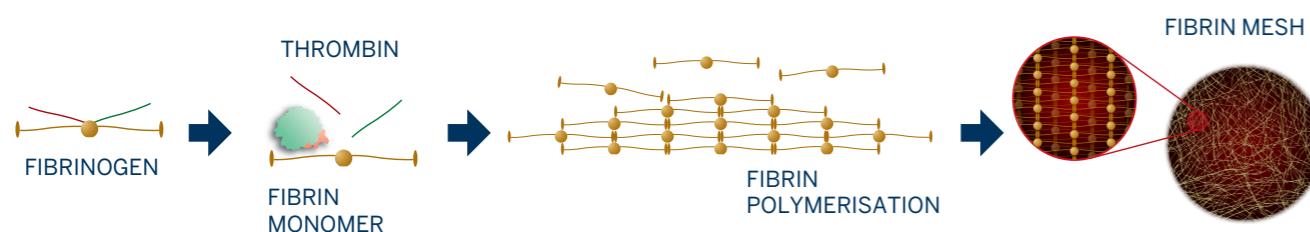
- The A-PRP prepared with the Regen BCT device has an excellent safety profile.
- Red blood cells are removed at 99.7 %.
- The white blood cell level is drastically reduced, with a preferential depletion (96.7 %) of the pro- inflammatory granulocytes. The remaining white blood cells are mostly lymphocytes and monocytes.



RegenBCT <sup>®</sup> Tube Properties	BLOOD SAMPLE VOL PER TUBE	PRP VOL PER TUBE	PLATELET RECOVERY	RED BLOOD CELL DEPLETION	PLATELET CONCENTRATION FACTOR (NATIVE)
	10 ml	5 to 6 ml	> 80 %	> 99.7 %	1.6 X

\*BCT stands for Blood Cell Therapy.

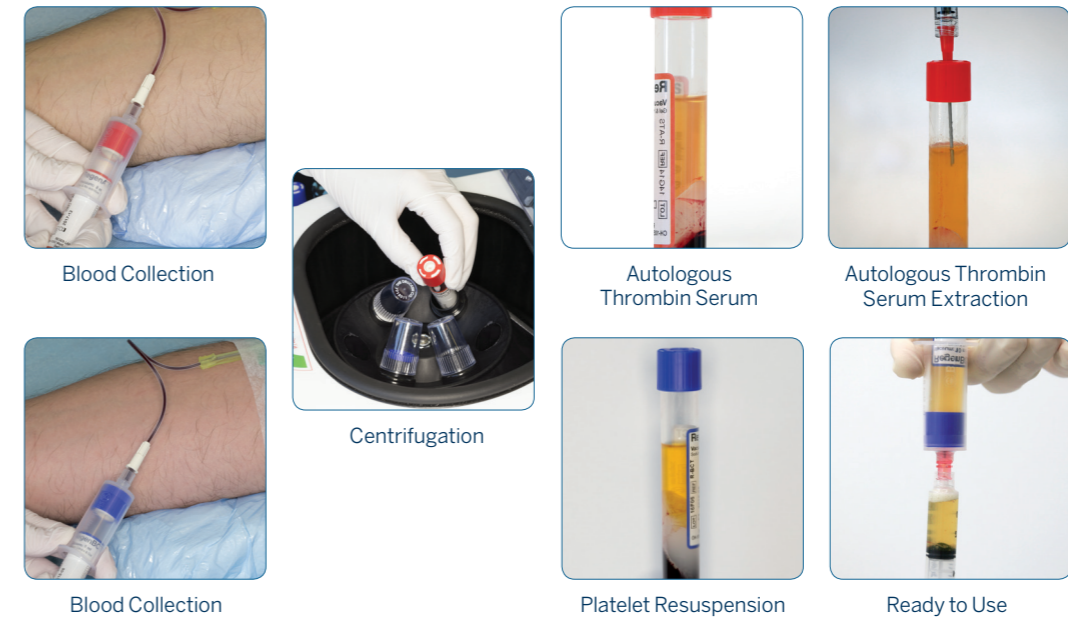
**Autologous Thrombin Serum (ATS)** converts soluble fibrinogen to fibrin monomers which polymerise to form the clot. Addition of ATS to the platelet patient concentrate restarts the coagulation process in a physiological manner. This natural process induces the formation of three-dimensional fibrin matrix in which the platelets are entrapped. This allows a long lasting growth factor delivery at the treatment site and the matrix serves as scaffold for new tissue reconstruction.



# RegenKit<sup>®</sup> A-PRP<sup>®</sup> Plus

The RegenATS tube supplied in the RegenKit<sup>®</sup>-A-PRP Plus is used for the preparation of Autologous Thrombin Serum (ATS). The coagulation process is 100% natural and does not require any exogenous chemical activation. Thrombin is the enzyme that converts soluble fibrinogen to fibrin monomers which polymerise to form the clot.

## Simultaneous preparation of PRP & ATS



## ATS PREPARATIONS

