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**The L-PRF Intra-Spin™ System is the only  
FDA Cleared & CE Marked Certified Medical Device  
Class 2 for the Production of L-PRF**

Autogenous combination of Platelet  
Rich Fibrin without additives



Protects wounds via its physical strength



Fibrin network rich in platelet &  
leukocyte growth factors



Powerfull angiogenesis growth promotor



Anti-inflammatory & Anti-infectious effects



Produce rapid healing during at least 7 days  
after placements and beyond when prepared  
by the Intra-lock Intra-Spin™ L-PRF centrifuge



Promotes soft & hard tissue proliferation



# INTRASPIN™

by INTRA-LOCK®



L-PRF is a 3-D autogenous combination of Platelet Rich Fibrin derived from the patient's blood<sup>1</sup>. A simplified chairside procedure results in the production of a thin, compressed layer of platelet rich fibrin that is strong, pliable and suitable for suturing.

This natural fibrin network is rich in platelets, growth factors and cytokines that are derived from the blood platelets and leukocytes<sup>1</sup>. The presence of these proteins have been reported to produce rapid healing, especially during the critical first seven days after placement<sup>2</sup>. This network promotes more efficient cell migrations and proliferation without chemical or bovine thrombin additives<sup>3</sup>.

- ◆ Leukocytes, Platelets & Fibrin
- ◆ Simple and economic<sup>4</sup>
- ◆ Natural & 100% autologous<sup>4</sup>
- ◆ Thin fibrin matrix & plugs<sup>4</sup>
- ◆ Slow release at -> 7 days<sup>1</sup>
- ◆ Matrix for Bone Graft Material<sup>5</sup>
- ◆ Stable at room T° for several hours<sup>4</sup>

- NO Anticoagulant
- NO Bovine Thrombin
- NO Pipetting
- NO Second Spin
- NO Chemical Additives
- NO Expensive Consumables

Clinically, Leukocyte-Platelet Rich Fibrin displays excellent working properties. This Bio-Material is resilient, strong and pliable and easy to manipulate. It can be cut to size, and is supple enough to adapt to many anatomical areas. It is adhesive in nature and very receptive to suturing.

## L-PRF APPLICATIONS in Dental/Oral and Maxillofacial Surgical Sites: Including not limited to:

- ◆ Bone Defects
- ◆ Extraction Sockets
- ◆ Sinus and dental ridge augmentation
- ◆ Palatal defects
- ◆ Maxillary bone atrophy
- ◆ MRONJ
- ◆ Soft Tissue Regeneration
- ◆ Wound Healing
- ◆ Chronic Ulcer Wounds



## Preparation of L-PRF with the IntraSpin™ System

The IntraSpin™ System is intended to be used for the safe and rapid preparation of autologous Leukocyte Platelet Rich Fibrin from a small sample of blood taken at the patient's point of care. L-PRF can be mixed with autograft and/or allograft prior to application to a bony defect for improving handling characteristics. It requires only one centrifugation without pipetting, mixing, heating or additives.

Two different blood tubes are available: the L-PRF red blood collection tubes for the preparation of the L-PRF membrane and the L-PRF white blood tubes for the preparation of L-PRF Liquid Fibrinogen.

Mixing the L-PRF membrane with autograft and/or Bio Material (e.g. Bioteck Bio-Gen Bone graft material) and with the L-PRF Liquid Fibrinogen you can prepare an L-PRF Block. (more info [www.allmedics.eu](http://www.allmedics.eu))

IntraSpin™ System components have been FDA cleared and optimized to ensure proper material biocompatibility and clinical performance.

The Intra-Lock IntraSpin™ System establishes a 3-step procedure with the IntraSpin Xpression™ Fabrication Kit:

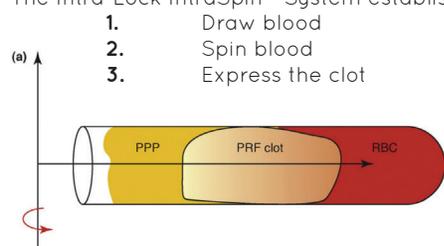


Figure A shows the tube (a) after centrifugation (with a separation between PPP (better called supernatant or serum), platelet poor plasma, the L-PRF cloth, and the red blood cells). After gentle compression, a strong membrane is obtained.

## Guidelines for the use of L-PRF - Step by Step Approach available at [www.allmedics.eu](http://www.allmedics.eu)

Nelson R. Pinto<sup>1</sup>, Andy Temmerman<sup>2</sup>, Ana B. Castro<sup>2</sup>, Simone Cortellini<sup>2</sup>, Wim Teughels<sup>2</sup>, & Marc Quirynen<sup>2</sup>

1: University of the Andes, Department of Periodontics and Implant Dentistry, Faculty of Dentistry, Santiago, Chile

2: Catholic University of Leuven / University Hospitals Leuven, Department of Oral Health Sciences, Periodontology, Leuven, Belgium

# 1

## BLOOD COLLECTION MATERIAL

The Intra-Spin™ System includes the IntraSpin™ Centrifuge, the Blood Collection Material Kit and the Xpression™ Fabrication Kit. It is available with either one or two Xpression™ fabrication Kits.

ISS220 IntraSpin™ System Single, 220 volts (includes Centrifuge, BDTRK, BVBC2P2, BVBC2P2\_50, WCT\_50, BVBC21G & BTLF)

ISD220 IntraSpin™ System Dual, 220 volts (includes Centrifuge, 2 BDTRK, BVBC2P2, BVBC2P2\_50, WCT\_50, BVBC21G & BTLF)

### Blood Collection Material

The Blood Sample Collection Set and materials have been selected for proper biocompatibility, collection and maintenance of the blood sample

Ref. nr	Product description	
BVBCTP2_50	IntraSpin Red Blood Collection Tubes	50pcs
BVBCTP2_1B	IntraSpin Red Blood Collection Tubes in Individual Sterile Packaging	100pcs
WCT_50	IntraSpin White Blood Collection Tubes	50pcs
WCT_1B	IntraSpin White Blood Collection Tubes in Individual Sterile Packaging	100pcs
BVBC21G	Greiner Bio One Safety Blood Collection Set + Holder, Butterfly Needles 21G	24pcs
BTLF	Latex-Free Tourniquet	



# 2

## INTRA-LOCK INTRA-SPIN L-PRF CENTRIFUGE

**INTRA SPIN™**  
by INTRA-LOCK®

The IntraSpin™ (IS220) Centrifuge has a specific configuration and set of dynamic parameters. It has been calibrated and tested to ensure of separation of the blood into proper segments and consistencies for Platelet Rich Fibrin.



# 3

## FABRICATION KIT & INSTRUMENTATION

The **Tissue Regeneration Kit** includes the **Xpression™ Box** which is engineered to optimize the final step in the fabrication of Platelet Rich Fibrin. The weighted press is designed to express serum from the fibrin clot in a controlled manner and to form thin compressed layer of Platelet Rich Fibrin of a consistent thickness. A piston and cylinder assembly is used for the creation of Platelet Rich Fibrin plugs. The kit and instrumentation is also designed to aid incorporating graft material within the Platelet Rich Fibrin matrix.

Ref. nr	Product description
BDTRK	Tissue Regeneration Kit (Includes Items Below)
CTR	Xpression™ Box
BSTF	Surgical Tissue Forceps
BSCS	Surgical Curved Scissors
BRSSMT	Round Stainless Steel Bowl
BSSSMT	Rectangular Stainless Steel Bowl
BDBC	Dual Biomaterial Carrier Spatula
BDBP	Dual Biomaterial Packer
BTTRA	Test Tube Rack



**Ustomed Titan-Pin-Set**

For Membrane Fixation

During the application of modern GBR and GTR techniques, barrier membranes are indispensable to achieve predictable and reliable results. By fixation of the barrier membrane to the local bone, the application of the particulate bone regeneration material as well as the coverage of the augmentation site by the barrier membrane can be significantly simplified. Using the one-piece applicator, titan pins can easily be taken up from the dispenser and applied to the fixation site.

68-780-018 Titan-Pin-Set consisting of: Box, Applicator, 10 Titan Pins 3mm  
 68-620-003 Titan-Pins, 3mm, 10pcs  
 67-660-150 Mallet, lead filled, 16,5cm, 150gr



Ustomed specializes in instruments for dental, oral and maxillofacial surgeons. The company designs and develops dental instruments for dentists working in the fields of surgery, implant dentistry, periodontics, osteosynthesis, augmentation and endodontics.

More information at [www.allmedics.eu](http://www.allmedics.eu)



The science of bone tissue

**Bioteck Bone Graft Material & Membranes**

Natural Bone Substitutes

Bioteck is an Italian Company, founded in 1995 and producing bone substitutes and protective membranes that are successfully used in orthopaedics, neurosurgery, oral and maxillofacial surgery.

Bioteck Bone Substitutes are obtained from Equine bone tissue treated with Zymo-Teck\*

- ◆ Total Biocompatibility
- ◆ Ideal Osteoconduction
- ◆ Complete Remodeling

Available in Bio-Gen Granules, Gel Granules Putty, Collagen Membranes, Heart Pericardium Membranes, Cortical Membranes, Cancellous or Cortical Flex Sheets, DBM, Cancellous Blocks,...

**Bio-Gen Granules** are a total osteoclastic remodeling bone substitute, which can be used for all types of bone defects. Available in Cancellous Granules, Cortical Granules or Mix Cortical & Cancellous Granules.

**Bio-Gen Gel Granules**, Bio-Gen Mix Gel is a mixture consisting of Bio-Gen Mix Cortical-Cancellous granules and water-based gel. It is extremely practical and easy-to-handle.

**Bio-Gen Collagen Membrane** is made of Achilles' tendon collagen for guided bone regeneration.

**Bio-Gen Heart Pericardium Membrane** is obtained from natural pericardium. Therefore they are long lasting and resistant to suturing. Because of their long protection time (3-4 months), heart membranes are the ideal choice for the majority of surgeries.

**Cancellous Blocks** are tough, rigid blocks. They feature the same mechanical resistance to compression and elastic deformation of natural bone. They can be shaped with rotating instruments, or drilled, without breaking. They have to be fixed in place with screws or similar.

More information at [www.allmedics.eu](http://www.allmedics.eu)



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## Benelux Distributor



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MORE REFERENCES [WWW.ALLMEDICS.EU](http://WWW.ALLMEDICS.EU)

### ALLMEDICS bvba

Bakestraat 167  
3140 Keerbergen  
België  
BE0665.934.593

Antonella Van Extergem  
[Antonella@allmedics.eu](mailto:Antonella@allmedics.eu)  
+32 468 22 72 09

[www.allmedics.eu](http://www.allmedics.eu)

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