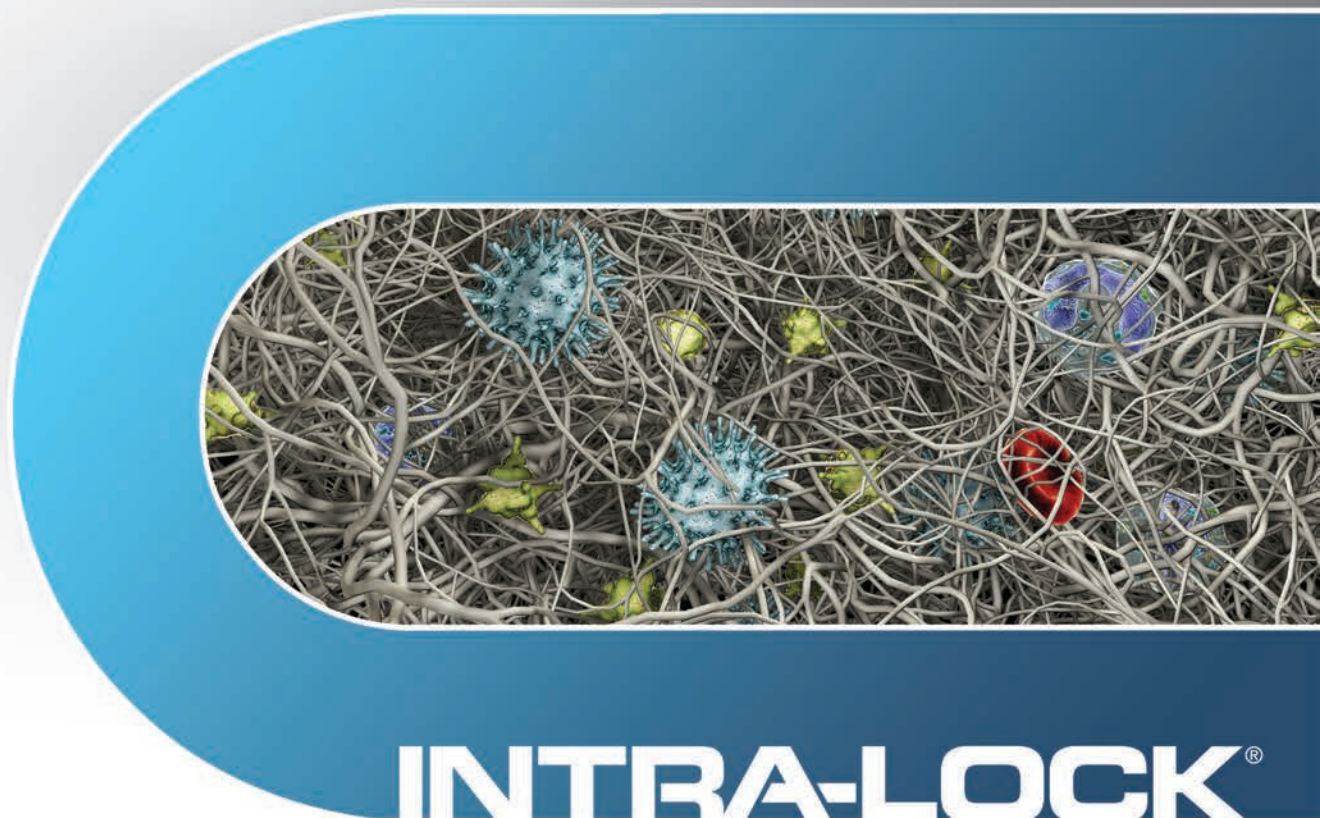




L-PRF™



INTRALOCK®
INTERNATIONAL

A 3D rendering of a cell culture scaffold. The scaffold is a dense, interconnected network of light gray, fibrous structures. Various cell types are shown: a large, red, spherical cell in the upper right; several green, irregularly shaped cells scattered throughout; and several blue, star-shaped cells with multiple protrusions. The cells are embedded within the fibrous network.

NATURAL: 100% AUTOLOGOUS

- No Anticoagulant
- No Bovine Thrombin
- No Heating
- No Pipetting
- No Second Spin
- No Chemical Additives
- No Expensive Consumables



L-PRF™ Leukocyte - Platelet Rich Fibrin



L-PRF™ is a 3-D autogenous combination of Platelet Rich Fibrin derived from the patient's blood¹. 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 leukocytes¹. The presence of these proteins have been reported to produce rapid healing, especially during the critical first seven days after placement². This network promotes more efficient cell migration and proliferation without chemical or bovine thrombin additives³.

- **Simple and economic**⁴
- **Natural - 100% autologous**⁴
- **Thin Fibrin Matrix & Plugs**⁴
- **Leukocytes, Platelets and Fibrin**¹
- **Slow Release at ≥ 7 days**¹
- **Matrix for Bone Graft Material**⁵

Clinically, Leukocyte-Platelet Rich Fibrin displays excellent working properties. This biomaterial is resilient, strong and pliable, making it 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. In addition, there is ample working time since **L-PRF™** is stable at room temperature for several hours⁴.

MATRIX FOR BONE GRAFT MATERIAL

INTRASPIN™ SYSTEM

The **IntraSpin™ System** establishes a three-step protocol for drawing and centrifuging the patient's blood, removing the fibrin clot and processing it in the **Xpression™ Fabrication Kit**. A thin, compressed layer of Platelet Rich Fibrin or plugs for extraction sites can then be formed, using either the internal plate or the piston assembly.



L-PRF™ matrix acts as a carrier for particulate bone material⁴. When incorporated, the graft material is suspended in the fibrin matrix and handling characteristics are dramatically improved.

Applications in Dental /Oral and Maxillofacial Surgical Sites

Including but not limited to:

- Bone defects⁵
- Extraction sockets^{1,4,5,6}
- Sinus and dental ridge augmentation^{4,5}
- Palatal defects⁷
- Maxillary bone atrophy^{1,5}

IntraSpin™ System is intended to be used for the safe and rapid preparation of autologous Platelet Rich Fibrin (PRF) from a small sample of blood taken at the patient's point of care. The PRF can be mixed with autograft and/or allograft bone prior to application to a bony defect for improving handling characteristics. It requires only one centrifugation without pipetting, mixing, heating or additives. Every component of the **IntraSpin™ System** has been specifically selected and engineered to act in concert as a graft delivery. **IntraSpin™ System** components have been FDA cleared and are optimized to ensure proper material biocompatibility and clinical performance.

A simple three-step processing protocol necessitates drawing blood, spinning blood and expressing the fibrin clot in the **Xpression™ Fabrication Kit**. The system is comprised of three product groups specifically designed for completing this processing protocol.



U.S. and other Foreign Patents Pending

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.

REFERENCE NO.	PRODUCT DESCRIPTION
ISS110.....	IntraSpin™ System Single, 110 volts (Includes Centrifuge, BDTRK and BCS)
ISD110.....	IntraSpin™ System Dual, 110 volts (Includes Centrifuge, 2 each BDTRK and BCS.)

1

CENTRIFUGE

INTRASPIN™

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



2

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.



REFERENCE NO.	PRODUCT DESCRIPTION
BDTRK	Tissue Regeneration Kit (Includes Items Below plus Xpression™ Box) Surgical Tissue Forceps Surgical Curved Scissors Round Stainless Steel Bowl Rectangular Stainless Steel Bowl Dual Biomaterial Carrier Spatula Dual Biomaterial Packer Test Tube Rack

Better ideas.™ 

3

BLOOD COLLECTION MATERIAL

The Blood Sample Collection Set and materials have been selected for proper biocompatibility, collection and maintenance of the blood sample. *Both L-PRF™ Red and White Cap Blood Collection Tubes are offered in individual sterile packaging to maintain surgical asepsis when IntraSpin™ / L-PRF™ is fabricated directly in the sterile field.*



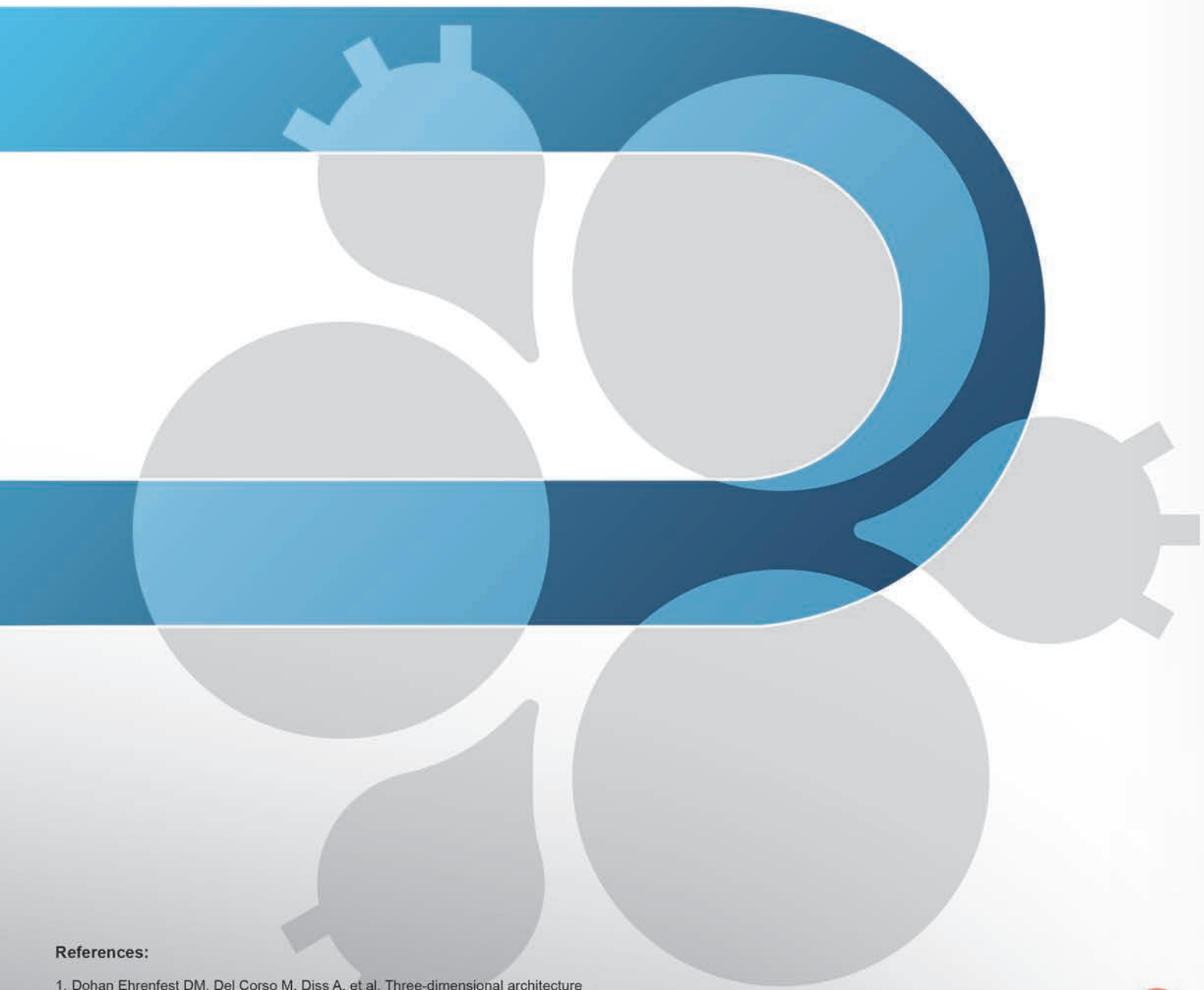
REF. NO.	PRODUCT DESCRIPTION
BCS	Blood Collection System (Includes Items Below) 25 Butterfly Needles Latex-Free Tourniquet 100 Red Cap 9ml Blood Collection Tubes

INTRASPIN RESTOCK ITEMS:

455092.....	Pack of 50 Red Cap 9ml Blood Collection Tubes
455001.....	Pack of 50 White Cap 9ml Blood Collection Tubes
BVBC21G.....	25 Butterfly Needles
BTLF	Latex-Free Tourniquet
*BVBCTP2_1B.....	Pack of 100 Red Cap 9ml Blood Collection Tubes in Individual Packaging
*WCT_1B	Pack of 100 White Cap 9ml Blood Collection Tubes in Individual Packaging



* Available in Limited Regions.



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U.S. and Worldwide Patents Pending

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