

ADVANCING NATURAL
SOLUTIONS FOR PATIENTS
AND MEDICAL PROFESSIONALS.

- Medicine
- Dentistry
- Facial Aesthetics

To order and find more information, visit www.bio-prf.eu

BIOPRF

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BIOHEAT

www.bio-prf.eu

The first device to
create a 100% natural
implantable filler

Step 2 of the Bio-PRF System. Extend the
resorption of PRF from 2-3 weeks to 4-6
months with Bio-Heat technology.

BIOPRF



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BIOHEAT

USE THE BIO-HEAT HEATING SYSTEM AS STEP 2 AFTER USING THE BIO-PRF SYSTEM TO SIGNIFICANTLY EXTEND THE WORKING PROPERTIES OF PLATELET RICH FIBRIN.

Bio-Heat is a 100% natural and autologous three-dimensional fibrin scaffold derived from peripheral blood.

Bio-PRF is the first commercially available horizontal centrifuge specifically designed for the production of platelet rich fibrin. Protocols utilizing using horizontal centrifugation with the Bio-PRF system are able to accumulate up to 4 times more platelets and leukocytes when compared to standard fixed-angle centrifuges. To accomplish the task of extending the working properties from 2-3 weeks to 4-6 months, an additional heating step is involved favoring autologous blood concentrate stability.



ADVANTAGES OF BIO HEAT:

- ✓ 100% autologous
- ✓ Extended working properties of PRF (e-PRF)
- ✓ May be utilized as a barrier membrane in GBR procedures
- ✓ Production of a 'sticky' matrix for optimal bone graft handling
- ✓ No chemical additives

The BIO-PRF System

STEP 1: Bio-PRF



STEP 2: Bio-Heat



EXTEND THE RESORPTION OF PRF FROM 2-3 WEEKS TO 4-6 MONTHS WITH BIO-HEAT TECHNOLOGY.

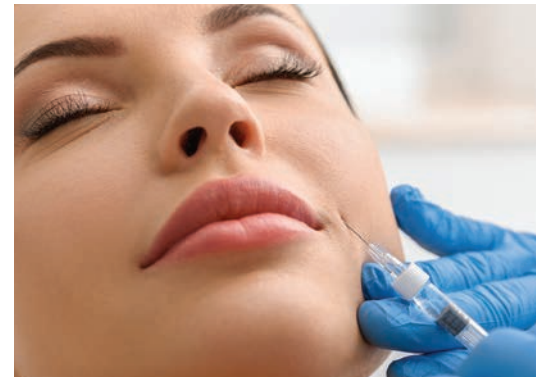
e-PRF

BIOBONE

BIOFILLER

ALB-PRF

C-PRF



INDICATIONS

- ✓ A biological filler in facial esthetics (Bio-Filler)
- ✓ A barrier membrane for Guide Bone Regeneration (GBR) procedures
- ✓ Covering the lateral window during sinus lifting
- ✓ Root coverage procedures
- ✓ Mixing with bone grafting material (Bio-Bone)
- ✓ Insertion into periodontal pockets non-surgically to favor stability (e-PRF)

PROTOCOL TO PRODUCE EXTENDED-PRF (E-PRF)

STEP 1

Peripheral blood is collected and placed in a horizontal centrifuge (Bio-PRF) at a specialized concentrated-PRF protocol (C-PRF). This allows for an upper platelet poor plasma (PPP) layer and a highly concentrated liquid PRF layer within the buffy coat region.



STEP 2

Two to four milliliters of the initial portion of the PPP layer are then collected with a syringe, while the other blood portions (buffy coat, liquid PRF, and red blood cells) are placed in the Bio-Cool device.



STEP 3

The syringes containing PPP are then inserted into the Bio-Heat heating device. This produces the albumin gel following a 10-minute protocol.



STEP 4

Following heating, cool the PPP layer in the Bio-Cool device for roughly 1-2 minutes.



STEP 5

The liquid C-PRF layer is then collected into a separate syringe. After the cooling period, the albumin gel is mixed with the concentrated liquid-PRF (C-PRF) layer by utilizing a specialized luer-lock connector and passing the liquids back and forth several times.

BIO-HEAT SYSTEM WITH COMPLETE 7-PIECE KIT

- **Bio-Heat Device**
Utilized to heat blood plasma to extend the resorption properties of PRF
- **Bio-Cool Device**
Used to cool the liquid plasma layer following heating
- **Bio-Heat Custom Blue Tray**
Used to prepare membranes of various custom shapes for clinical use [fully autoclavable at 121 C].
- **Bio-Heat Custom White Tray**
Used to prepare membranes of various custom shapes for clinical use [fully autoclavable at 121 C].
- **18 Gauge 1.5 inch 3mL Syringes:**
Pack of 100 18 gauge syringes to draw up liquid PRF
- **Sterile Syringe Caps**
Pack of 100 sterile syringe caps utilized prior to inserting syringes into the Bio-Heat device
- **25 Female-Female Luer lock Connectors**
Used to mix albumin gel with liquid PRF to create Alb-PRF



BIO-PRF HORIZONTAL PRF CENTRIFUGE MACHINE WITH COMPLETE 14-PIECE KIT

- **Bio-PRF Tube Holder**
Utilized to hold PRF tubes following centrifugation
- **Bio-PRF Tray**
Used to prepare membranes and separate the red blood cells from the PRF clot
- **Bio-PRF Bowl**
Used to cut a Bio-PRF membrane to mix with particulate bone grafts
- **Bio-PRF Scissors**
Used to cut PRF membranes and separate the red blood cell layer from the PRF clot
- **Bio-PRF Forceps**
Used to remove PRF clots from the centrifugation tubes
- **Bio-PRF Pad**
Used to separate PRF membranes from the red clot. Used to carry PRF membranes to the oral cavity
- **Bio-PRF Small Compactor**
Small instrument used to compact PRF-bone grafting complex into bone defects
- **Bio-PRF Large Compactor**
Large instrument used to compact PRF-bone grafting complex into bone defects
- **Bio-PRF Double Spoon**
Allows the carrying of bone grafting material
- **Bio-PRF Tourniquet**
Used to facilitate blood draws
- **Blood Collection Butterfly Needles**
Used to collect blood via veins (Box of 24)
- **Red Top Tubes**
Used to make Solid-PRF (Box of 100)
- **Blue Top Tubes**
Used to make Liquid-PRF (Box of 100)

AVAILABLE FOR RE-ORDERS:

- **RED TUBES**
Used to make Solid-PRF. Made of 100% glass with no silica/silicone additives.
- **BLUE TUBES**
Used to make Liquid-PRF. PET tubes with no chemical additives.
- **BLOOD COLLECTION BUTTERFLY NEEDLES**
Used to collect blood via veins.

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