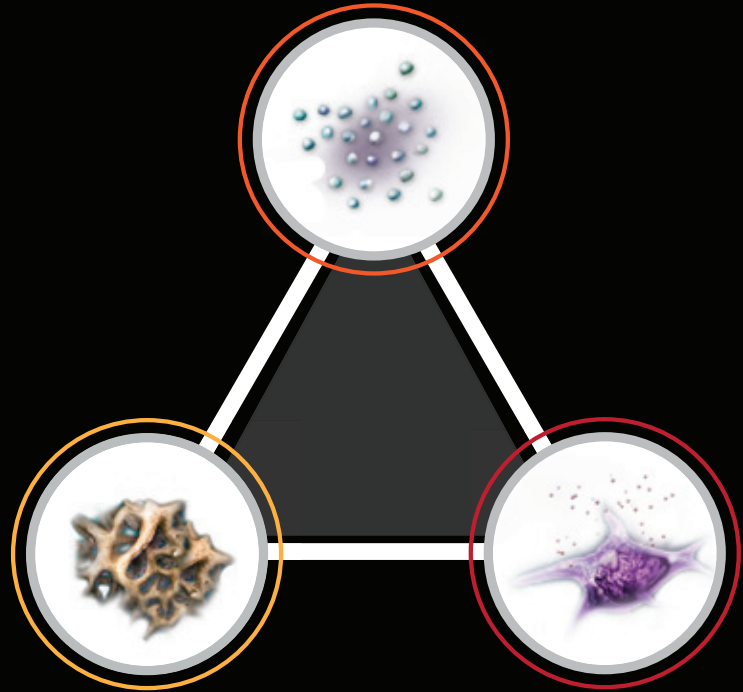




TriPreP™ Bone Marrow Concentration Kit



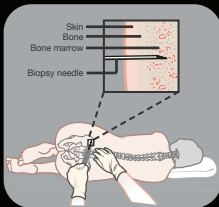
Cell Concentration Kit **Features**



- 100 % closed system
- Bone Marrow Concentration is adjustable
- Perfect RBC Isolation with an interlocking bar system
- You can see the buffy-coat with its bottle neck shape
- First in the world, built in bone marrow filter system

Process

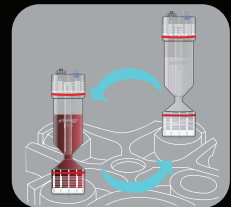
1. Bone Marrow Aspiration



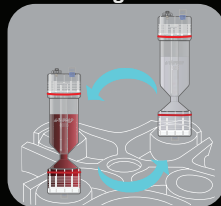
2. Loading Bone Marrow to TriPrep™ **Cell Concentration Kit**



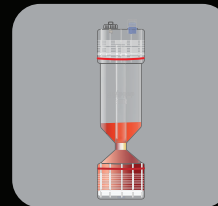
3. TriPrep™ **Cell Concentration Kit** 1st Centrifuge



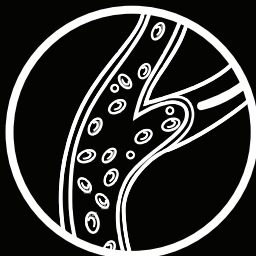
4. TriPrep™ **Cell Concentration Kit** 2nd Centrifuge



5. Extract **Results**



TriPReP™ - Cell Concentration Kit



Indication

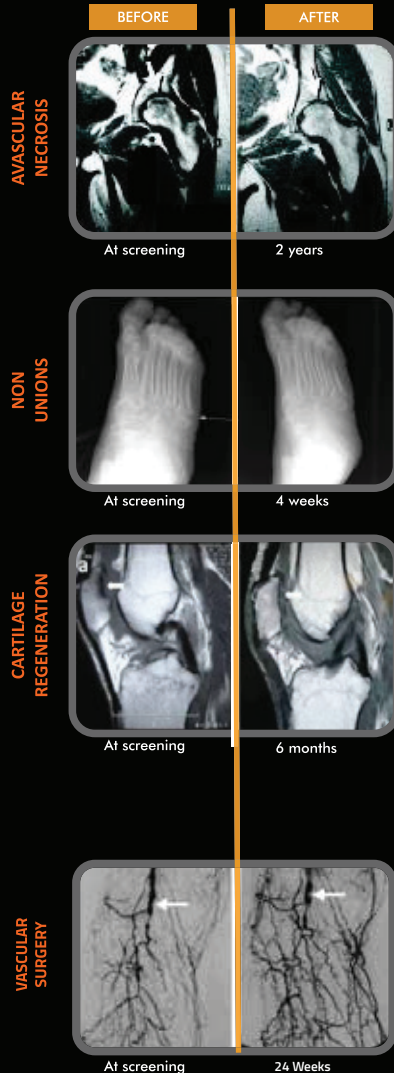
- Bone Regeneration
- Spinal Surgery
- Avascular Necrosis Femur / Knee
- Cartilage Regeneration
- Cardiac Surgery
- Infiltration Therapy

Cell Counting Data

	Sample Description	VOL (ml)	NCC (nucleated cell count) x10 ³ μ l	MNC (mono nucleated cell) x10 ³ μ l	Plt x10 ³ 3L	CFU-ASSAY
Donar	Baseline	4	16.20	6.36	104.0	
1	Concentration	4	167.50	53.57	851.0	
Increase above Baseline			10.5X	8.8.X	8.5X	

	Sample Description	VOL (ml)	NCC (nucleated cell count) x10 ³ μ l	MNC (mono nucleated cell) x10 ³ μ l	Plt x10 ³ 3L	CFU-ASSAY
Donar	Baseline	4	16.20	6.36	104.0	
2	Concentration	4	167.50	53.57	851.0	
Increase above Baseline			10.5X	8.8.X	8.5X	

TriCell - Cell Concentration Kit



ORTHOPEDICS

Avascular Necrosis

The idea is that once the stem cells are in the cavity, they will induce the development of new blood vessels and start to grow, differentiating into bone tissue. This new bone tissue should then use the surrounding necrosed tissue as a scaffold, putting living bone back where it belongs.

Dr. Thomas. E.Einhorn: PRWeb: epub, 2010

Non unions/ Delayed unions

Bone marrow has high osteogenic potential and can be grafted percutaneously quite successfully. This minimally invasive procedure is biological method of bone grafting as it does not disturb the vascularity at the fracture site .

Vikas Padha: The Internet Journal of Orthopedic Surgery; 18(1), 2010

Cartilage Regeneration

Using BMSCs in cartilage repair is as effective as chondrocytes for articular cartilage repair. In addition, it required one less knee surgery, reduced costs, and minimized donor-site morbidity.

Nejadnik H: Am J Sports Med 38(6): 1110-1116, 2010

VASCULAR SURGERY

Peripheral Arterial Disease

Clinical benefits including improvements of ABI, TcPO2, reduction of pain and reduced need for amputation have been reported in Critical Limb Ischemia patients treated with autologous cell therapy. BMSC and progenitor cells have been identified as a potential new therapeutic option to induce therapeutic angiogenesis

Turon R G: Circulation journal 75(3): 683 - 691, 2011

Multibiologic Concentrate Platform



MultiPREP is equipped with a maintenance free drive, a large display & simple interface for efficient operation for daily lab usage. The programmable centrifuge can deliver up to 3500 RPM and can accommodate different types of rotors. It features various programmable modes to save time and add convenience.

- Multi-purpose, small bench top centrifuge generally for routine clinical work
- Two-steps deceleration to maintain finely separated sample
- Rapid acceleration and deceleration (20/20 sec)
- Compact and light-weighted design
- Easy to clean specially coated glossy surface

Product Features



9 Acceleration & 9 Deceleration Modes for Starting and Stopping Without Disturbing Fragile Samples.



High-performance Brushless DC Motor For a Maintenance-free Long Life.



Intelligently Designed Airflow System Ensures That The Temperatures Of Samples Do Not Rise Significantly.



Lid Lock Safety Feature Ensures That The Lid Of The Device Will Not Open While The Rotor Is Still Running.



Ultra-quiet Operation for a Healthier And Quieter Laboratory Environment.

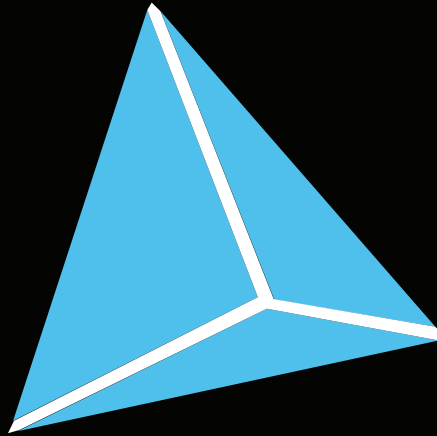
Programme Modes



PRP Program	Time (Min)	RCF	Speed (rpm)
PR1	5 min	1980 g	3300
PR2	3 min	1860 g	3200
PR3	2 min	1320 g	2700

BMC Program	Time (Min)	RCF	Speed (rpm)
BR1	6 min	2230 g	3500
BR3	5 min	1980 g	3500

ADI Program	Time (Min)	RCF	Speed (rpm)
A	1min - 99min	50-2230 g	0500-3500



TriCellTM
B I O L O G I C S

Plot No.4&5 Dhanarajapuram, Kolathur,
Chennai - 600 099. Tamilnadu, India.

support@tricellbio.com
+91 95000 80399



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