

STEM CELL CONCENTRATE

"Regenerative Medical Technologies"



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STEM CELL TECHNOLOGY (AUTOLOGOUS)

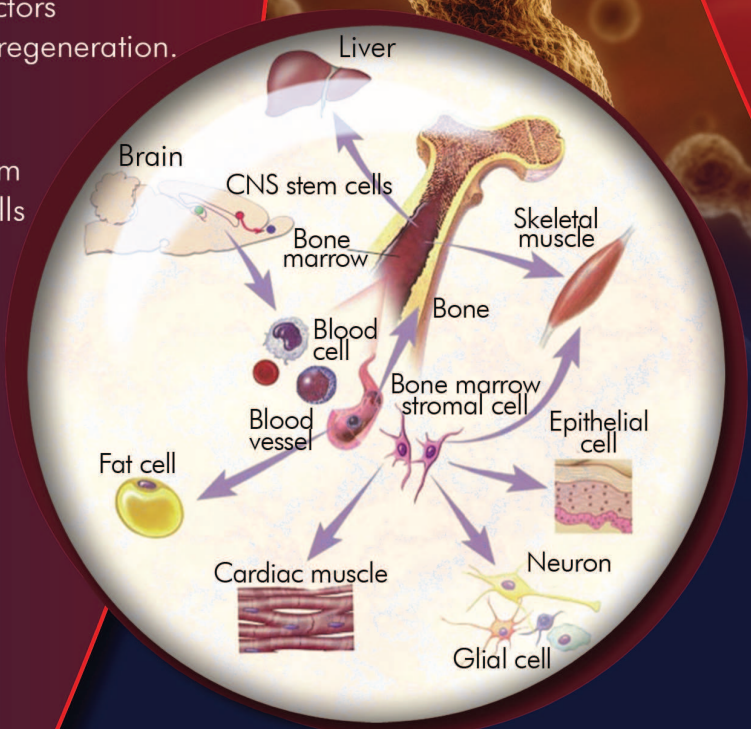
Stem cell concentrate is bone marrow/blood plasma with concentrated bone marrow stem cells created by pheresing bone marrow aspirate concentrate (BMAC) from a well anesthetized patient's whole bone marrow. The concentrated stem cells found in BMAC are multipotent stem cells, platelets, growth factors, adhesion molecules, and other proteins responsible for hard and soft tissue repair and regeneration. Once introduced back into the body and activated, stem cells are remarkable in their ability to develop into many different cell types and divide essentially without limit to promote the most remarkable regenerative cell engineering ever discovered.

FEATURES

- The Harvest SmartPReP 2 BMAC system simultaneously delivers speed, performance, dependable results while eliminating the time and guesswork associated with other modalities.
- Produces stem cell concentrate that not only contains the highest stem cell yield above baseline levels but also concentrates the stem cells in such a way as to leave them more viable and functional than any comparable product.
- Continuously produces progenitor cells and growth factors concentrated above minimal levels required for tissue regeneration.

BENEFITS

- Provides the body with the necessary mesenchymal stem (BM-MS) cells for bone formation, endothelial stem cells for supporting vasculature, hematopoietic stem cells for supplying nutrients, platelets to modulate the regeneration process, and adhesion molecules to mediate cell to cell adhesion.
- Promotes the development of new blood vessels and tissue regeneration for both hard and soft tissues.
- When introduced back into the body, stem cells have the unique ability to transform into most any kind of body cell (including bone and cartilage, to name a few) and continuously reproduce and divide, repairing and regenerating body tissue.
- Also provides many benefits similar to those of platelet gel.



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