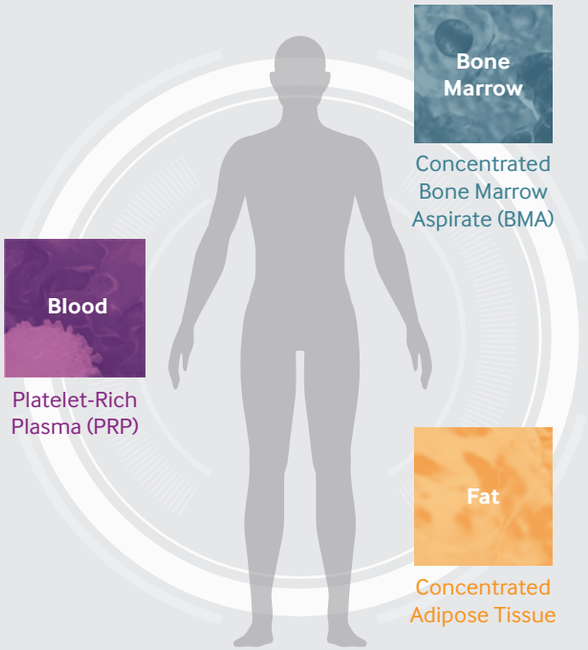
AUTOLOGOUS CELL THERAPY: YOU ARE THE SOURCE.



Autologous* point-of-care cell therapy technologies help physicians harness the biologic potential of concentrated blood, bone marrow and adipose tissue found within your body.

Only Harvest Technologies allows your physician to offer three major biologic solutions on one integrated platform.

*Autologous therapies are a new therapeutic intervention where tissues taken from an individual are introduced at the site of application of that same patient.

Enhanced Patient Care With the Right Biologic Solution

HARVEST TERUMOBCT

Not all biologic processing systems are created equal. The SmartPrep® 3 Multicellular Processing System is the only system cleared by the U.S. Food and Drug Administration (FDA) to process the three major biologic solutions. This unique capability affords your doctor the freedom to select the type of biologic treatment that may benefit you most. Talk with your doctor to determine which option is right for you.

To learn more about the science and supporting literature behind autologous biologics, visit HARVESTTECH.COM.

SmartPrep 3 System

RISK INFORMATION

For bone marrow aspirate (BMA) processing, the safety and effectiveness of this device for in vivo indications for use has not been established.

This information does not take the place of discussing your medical condition with your doctor. These procedures require needle access, possibly resulting in apprehension, discomfort, tenderness, bruising, swelling, bleeding or pain at the access site, at which there is a small risk of infection. Lightheadedness, fainting, nausea or vomiting may occur.

Before any medical procedure: Tell your doctor about prescription and nonprescription medicines and any natural or herbal remedies you are taking or plan to take; and consult your insurance company to verify coverage.

Scientific References

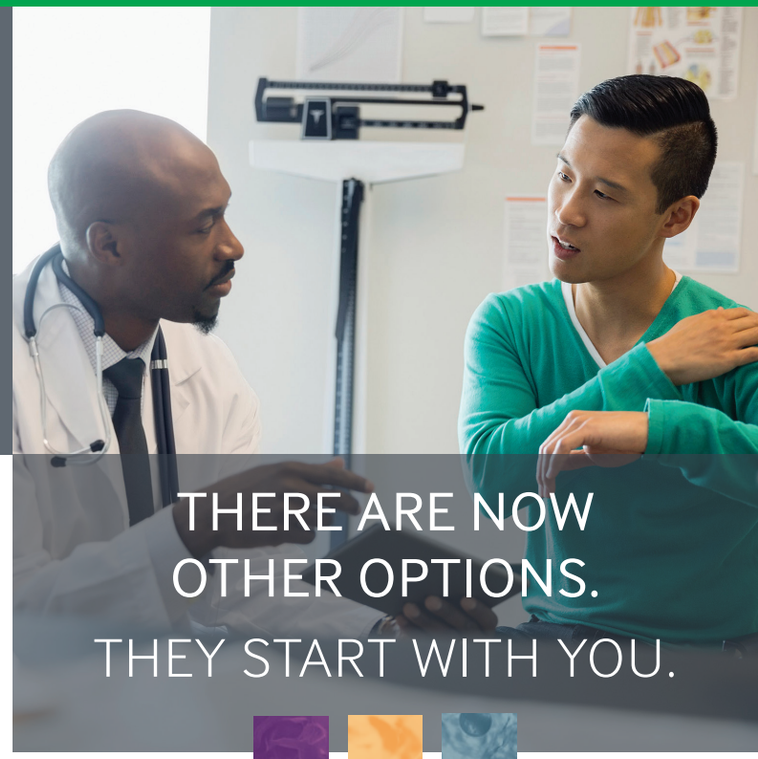
[1] Giusti I, et al., "Identification of an Optimal Concentration of Platelet Gel for Promoting Angiogenesis in Human Endothelial Cells." *Transfusion* 2009; 49 (4): 771–778.

[2] El-Sharkawy H, et al., "Platelet-Rich Plasma: Growth Factors and Pro- and Anti-Inflammatory Properties." *J Periodontol* 2007; 78 (4): 661–669.

[3] Gimble JM, et al., "Adipose Tissue as a Stem Cell Source for Musculoskeletal Regeneration." *Front Biosci* 2013; 3 (Schol Ed): 69–81.

[4] Murrell WD, et al., "Regenerative Treatments to Enhance Orthopedic Surgical Outcome." *PM&R: The Journal of Injury, Function and Rehabilitation* 2015; 7 (4) (Suppl.): S41–S52.

HARVEST TERUMOBCT



Discover a different approach that is designed to harness the biologic potential found within your own body.

THREE SOURCES OF GROWTH FACTORS AND STEM CELLS ARE ALREADY INSIDE YOU.

Platelet-Rich Plasma (PRP)

PROCESSED FROM BLOOD

What is it?

Although blood is primarily a liquid (plasma), it also contains other components, including platelets. Within platelets are growth factors that may initiate tissue repair. Growth factors derived from platelets have also been shown to be responsible for bone regeneration, development of new blood vessels and stimulation of the wound healing process.[1,2] The concentrated platelets in PRP may help optimize the conditions for healing.

How is it made?

The Harvest Platelet Concentrate System includes the essential components to generate PRP, which may help optimize the conditions for healing. The process to make PRP starts with a step similar to donating blood, but a much smaller volume of blood is taken (typically 30 mL to 60 mL). Processing the sample takes less than 15 minutes.

Explore the biologic that utilizes growth factors to recruit stem cells to the application site.

Harvest® Platelet Concentrate System

Concentrated Adipose Tissue

PROCESSED FROM FAT

What is it?

Concentrated adipose tissue is created from fat in your own body. Adipose tissue contains a significant concentration of mesenchymal stem cells (MSCs) and is used as an MSC-rich scaffold that may aid in tissue regeneration.[3]

How is it made?

The Harvest AdiPrep Adipose Concentration System produces a concentrated sample of adipose tissue. The process begins with drawing a small volume (30 mL to 60 mL) of fat tissue. The fat is spun in a centrifuge to remove waste and create a graft that is rich in MSCs. The sample can be processed in 4 minutes.

Explore the biologic that delivers stem cells with their natural 3-D environment intact.

Harvest® AdiPrep® Adipose Concentration System

Concentrated Bone Marrow Aspirate (BMA)

PROCESSED FROM BONE MARROW

What is it?

Bone marrow is the spongy tissue found in the center of bones. It is unique because it contains a rich supply of a broad range of stem cells. The cells found in concentrated BMA have been shown to support repair or growth of bone, cartilage, muscle, marrow, tendons, ligaments and connective tissue.[4]

How is it made?

The Harvest Bone Marrow Aspirate Concentrate (BMAC) System is used to concentrate the stem cells that are found in bone marrow. The starting point for making concentrated bone marrow is drawing a small (30 mL to 60mL) sample of marrow from the iliac crest (hip). It is spun in a centrifuge to concentrate the sample. Processing the sample takes less than 15 minutes.

Explore the biologic that delivers and recruits a high number of stem cells to the application site.

Harvest® BMAC® System

For risk information, please see back panel.

Harvest Technologies, a Terumo BCT company, has long been a leader in point-of-care cell therapy products. As a leader in innovation with established global reach, we are shaping the future of cell therapy.