



Optimize your practice  
with breakthroughs in  
regenerative medicine

INTRODUCING

RICHGEN<sup>®</sup>

PRODUCTS



With current medical advances we can now obtain more vital medicinal signaling cells extract from a young healthy woman's donated materials after a normal birth. The placenta, amnion membrane, Wharton's Jelly and amniotic fluid are rich with medicinal signaling cells and other healing ingredients. There are no hereditary cells or DNA from the donor in the extract. The flowable allograft in manufacturing is highly screened for multiple diseases. RICHGEN allografts are **undifferentiated pluripotent cells** with the full spectrum of growth factors and exosomes, secretomes, miRNA and more in order to provide significantly enhanced regenerative properties for use in any layer of the body.

## Why?

Because RICHGEN is not the limited single material or fractional manufactured product that every other lab provides. All materials – placenta, Wharton's jelly, amniotic fluid and amnion membrane – are utilized for a fully rich product as maximal as can be made. Unparalleled, RICHGEN can be administered in multiple ways non-invasively (for homologous use only). RICHGEN is rich in extracellular matrix (ECM) and bioactive cytokines (growth factors, chemokines), exosomes and collagen substrates. The result: signaling is delivered for a comprehensive and consistent regenerative response.

"It is the synergy of the ECM, cytokines, their immunomodulatory effect and their anti-inflammatory, anti-adhesion and anti-scarring attributes that make their use in regenerative medicine highly effective and safe, providing significant value in wound care and surgical specialties."

– Dr. Bruce Werber, DPM, FACFAS, CTBS

*Dehydrated human amnion/chorion graft bio-assay; Indications for use in regenerative therapeutics, May, 2018*

RICHGEN is regulated as a human cellular or tissue-based product (HCT/P) under 21 CFR Part 1271 and Section 361 of the Public Health Service Act, FDA and ISO 13485 guidelines. FDA registered. Manufactured per AATB, FDA, ISO 13485, cGTP and GMP guidelines.

RICHGEN flowable allograft contains 3% DMSO (dimethyl sulfoxide) preservative.

## RICHGEN® Tissue Allograft

RICHGEN 0.5 ml/cc  
RICHGEN I 1.0 ml/cc  
RICHGEN II 2.0 ml/cc

For homologous use only

RICHGEN cellular components are **undifferentiated pluripotent**, not multipotent (which have no growth factors or collagens). The advanced biotechnology only freezes the outer membrane of the cells and does not allow the inside of the cells to crystallize. The cells remain intact protected by a special patented process. RICHGEN, created at an in-house tissue processing lab, delivers consistent and reliable results, far superior to other brands.

Developed by an early pioneer in biotech research, RICHGEN's proprietary, patented and patent-pending process is from single donor, ethical post-birth screened rich amnion membrane, placenta, Wharton's jelly and amniotic fluid. This sought after leading allograft of four materials produces a signaling synergy for effective regeneration, which enhances results and often postpones or reduces the need for surgery. Additionally, published studies have concluded that these materials reduce and prevent scarring, fibrosis, adhesions and can reverse some keloids.

Product is stored at -80 degrees or lower and shipped at approximately -65 degrees C.



## RICHGEN® Products:

- Contain all 1500 growth factors that can help tissue growth and also are responsive to the signaling cells to renew the body.
- Contain the main component of viscous supplementation injections typically used for osteoarthritis therapies. Hyaluronic acid therapy has been shown to provide excellent pain relief.
- Restore tissue function and regeneration for acceleration of the healing process.
- No adverse events reported. Products are all extensively bioburden tested under quality protocols and review.
- Are immunomodulating
- Are anti-inflammatory (IL-1RA, IDO, IL-10)
- Are anti-microbial (Defensins, N-GAL, LL-37)
- Are anti-tumorigenic and are non-steroidal
- Lack the side effects of cortisone
- No HLA antigen and no host vs graft reaction

## RICHGEN® Products Include:

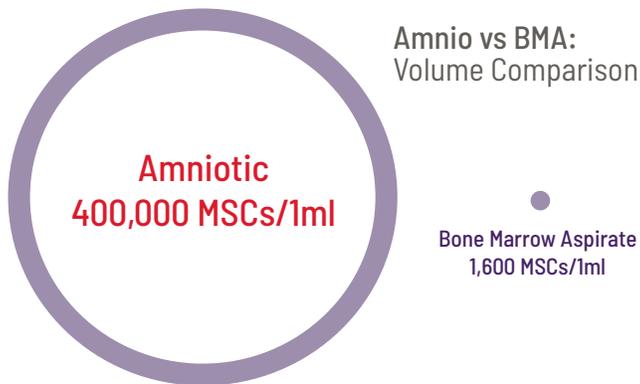
- Full Spectrum of Growth Factor Proteins
- Cytokines
- Associated Exosomes
- Collagen Substrates
- Hyaluronic Acid
- miRNA
- Alpha2 macroglobulin
- Secretomes

### Cellular components:

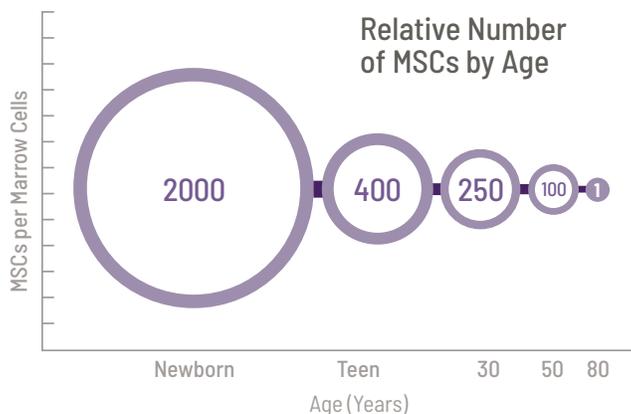
- Pluripotent PMSCs (Medicinal Signaling Cells)
- Fibroblasts (bFEF, PDGF) – dermis regeneration
- Keratinocytes – precursor skin cells
- Epithelial cells (EGF, KGF) – faster re-epithelialization
- Endothelial (VEGF, bFGF) – vascularization
- Host signaling cells (SDF-1, IGF-1, epithelial, endothelial, neural) – Regulate MMPs/ TIMPs

### Science:

RICHGEN is now the preferred therapy for fresh, potent signaling vs. aged bone marrow aspirate.



Jing Li et al: Chin J Cancer Res 23(1): 43-48, 2011



Adopted from Al Capian. J Pathol 2009; 217:318-314, 2008

## RICHGEN® Membrane

RICHGEN Membrane allografts are sterile, human tissue allografts that provide components to promote tissue healing. The allograft is processed from ethically sourced and screened amnion and chorion membrane. The dehydrated membranes have a long shelf life of 5 years and are easy to handle for a variety of applications.

### Sizes:

RICHGEN membranes come in a variety of sizes from 1x1cm up to 4x8cm and can handle a variety of wound sizes and applications.

Optic Disc membranes come in a round shaped disc in diameter sizes 8mm to 15mm. Contains growth factors, fibronectin and laminin.



### Preparation:

Our membranes require no special preparation or mixing. The allograft is implantable, wet or dry, directly into the wound bed for maximum effectiveness without fixation.

## RICHGEN® Replaces PRP

Regenerative medicine is moving from PRP and PRFP to RICHGEN undifferentiated pluripotent cellular components with abundant growth factors and exosomes in higher concentrations.

### Why?

- Preparation time savings
- Equipment savings as no centrifuge is required
- PRP contains few growth factors
- PRP contains few collagens
- PRP lacks pluripotent cellular components
- PRP has no extra cellular matrix
- Effective for inflammation and anti-aging regeneration
- Dramatic results

Step 1: Unpack the frozen RICHGEN double vial-in-a-vial and warm in your gloved palm for three to four minutes.

Step 2: The product is ready to administer with and without saline depending on the application. For burns and wounds RICHGEN may be sprayed without saline directly onto the area. It may be used for post micro-needled or CO2 resurfacing of the skin, acne or other conditions, or prepare with saline during cool sculpting treatment, post lipoaspiration, or for wellness treatment.

**RICHGEN®**  
PRODUCTS

[richgenproducts.com](http://richgenproducts.com)

# We welcome your inquiry!

Dedicated, leading edge physicians, practitioners and aestheticians are choosing RICHGEN® advanced regenerative flowable allografts for non-invasive administering. Doctors are no longer limited to single material products or to invasive adipose and bone marrow procedures. Increase to maximum signaling for maximum response using immediately available off-the-shelf RICHGEN therapeutic products that have higher bioactive potency and signaling synergy to deliver unsurpassed results. The RICHGEN extraordinary products thaw in three to four minutes and are then ready to administer reducing preparation time and providing optimal patient comfort and regeneration.

## Financing:

Ask about our patient 100% approval payment plan service at low interest for authorized medical and cosmetic procedures. We also provide loan service to practitioners for bulk RICHGEN orders and RichSource cryogenic freezers.

For licensed practitioners and physician networks.

Two-year expiration.

FDA registered. Manufactured per AATB, FDA, ISO 13485, cGTP and GMP guidelines.

Worldwide shipping in dry ice or cryogenic port.

Convenient online ordering at our website.



## RichSource Cryogenic Freezers

Convenient to safely store RICHGEN product.

Versatile design for on or under counter top. Safety and easy access with separate lock.

Specifications and ordering online.



Toll free 888.986.6696  
richgenproducts.com