



Optimize your practice  
with breakthroughs in  
regenerative medicine

INTRODUCING

**RICHGEN™**

PRODUCTS



After an exhaustive search for the #1 regenerative medicine in human allograft tissue, RichSource® is now the prominent distributor of the unrivaled RichGen™ product line. Created with single donor, all four ethical post-birth materials, RichGen products are the safest available today. They are the most advanced, viable and effective because they are **undifferentiated pluripotent cells**. RichGen is enriched with the full spectrum of growth factors able to provide significantly increased regenerative properties for use in any layer of the body.

## Why?

Because RichGen is not the limited or fractional manufactured product that every other lab provides. RichGen is rich in extracellular matrix (ECM) and bioactive cytokines (growth factors, chemokines) and collagen substrates. The result: signaling is delivered to more components for a comprehensive and consistent response.

“It is the combination 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*

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 used by injection, with saline and topically. Thousands of physicians are already using these products. 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 and AATB, FDA and ISO 13485 guidelines.

FDA registered, inspected and cGMP compliant.

## RICHGEN™ Tissue Allograft

For injectable and topical use

RichGen I 1.0 ml/cc

RichGen II 2.0 ml/cc

RichGen Cord – coming soon

Large cell count quantities are not necessary because the RichGen cells are **undifferentiated pluripotent**, not multipotent (which have no growth factors or collagens). The advanced biotechnology only freezes the outer membrane of the cells. The inside of the cells remains intact and alive, protected by a special proprietary process. The result is that the thawed potency of RichGen cells is very robust. Due to the combination of materials used and unrivaled manufacturing of RichGen, the product 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. RichSource offers RichGen Cord for practitioners to use with RichGen I or to use singly for particular treatments. This sought after combination of four or all five materials produces a signaling synergy for effective regeneration, which enhances results and often postpones or reduces the need for surgery. Additionally, it reduces and prevents scarring, fibrosis, adhesions and reverses keloids.

Product is shipped and stored at -80 to -65 degrees C.



## RichGen products:

- Assayed for 50 key growth factors that can help promote new 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

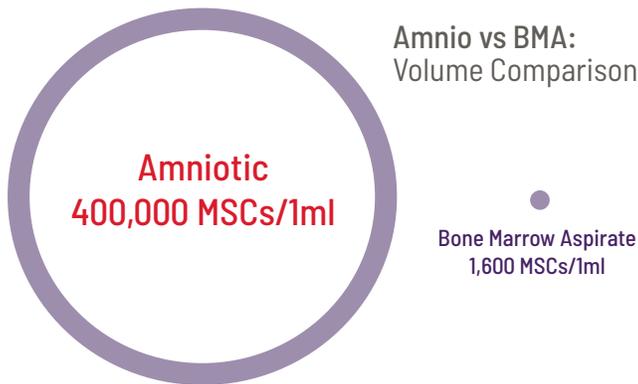
## RICHGEN™ I and II include:

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

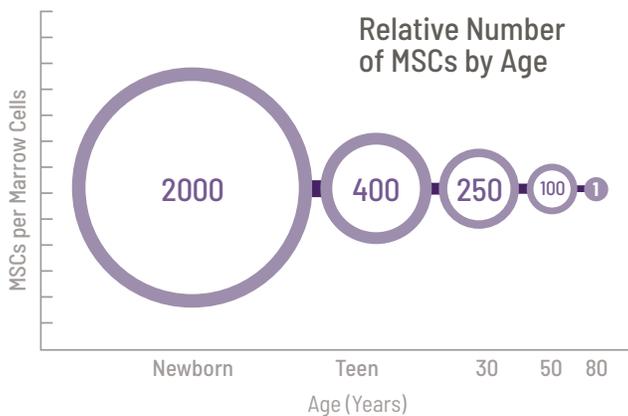
### Cellular components:

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

### Science:



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™ replaces PRP

Regenerative medicine is moving from PRP and PRFP to RichGen undifferentiated pluripotent cells with abundant growth factors 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 cells
- 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 minutes.

Step ②: The product is ready to apply to post micro-needled or CO<sub>2</sub> resurfacing of the skin, acne or other conditions, or prepare with saline during cool sculpting treatment, post lipoaspiration, or for wellness treatment.

### RichSource Cryogenic Freezer

Convenient for practices to safely store RichGen product.

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



- CFC Free
- High Temperature Visual / Audible Alarm
- Chart Recorder, 4", 7-Day, 115 Volt
- AD-2000 Security Sytem: Automatic Voice & Pager Dialer
- Voltage: 115v/60hz
- Capacity: 1.0 Cu. Ft. / 28 Liters
- Temperature Range: -45C to -85C / -125F
- Internal Dimensions: 11"H x 12"W x 12" D
- External Dimensions: 29"H x 20" W x 22"D
- Environmentally Safe Urethane Foam Insulation
- Access Port ( 5 / 8" - 3 / 4") located on back
- Leveling Legs
- CAL9500 Digital Display Temperature Controller
- Single Pen (includes 1 box, 50 sheets of chart paper)
- Warranty

# We welcome your inquiry!

Dedicated, leading edge physicians, aestheticians and practitioners are choosing RichGen™ advanced regenerative biologic products to postpone or shift from surgery and replace lower quality plasma PRP and PRFP microneedling procedures, and upgrade to unrivaled in quality, **undifferentiated pluripotent** cells. Immediately available, RichGen therapeutic products have higher bioactive potency and signaling synergy to deliver unsurpassed results. The RichGen extraordinary products thaw in less than three minutes and are then ready to apply, infuse or inject reducing preparation time and providing optimal patient comfort.



## 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 RichSource orders and cryogenic freezers.

For licensed practitioners and physician networks.

Two-year expiration.

FDA registered, inspected and cGMP compliant.

Worldwide shipping in dry ice or cryogenic port.



**RICHSOURCE**<sup>®</sup>  
STEM CELLS, INC

**RICHGEN**<sup>™</sup>  
PRODUCTS

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