

# StemCB™

StemCB™ is a premium, minimally-manipulated umbilical cord blood derived allograft for injectable delivery and homologous use. Harnessing the strength of young cell lines, the proprietary StemCB™ processing method yields a unique cellular and extracellular composition. StemCB™ maximizes the bioactive cellular signaling component for optimal tissue regenerative benefit. **Human Placental product sources are among the safest & most efficacious therapy methods in regenerative medicine.**

## HOW THEY WORK

Umbilical Cord Blood (UCB) is a rich source of stem cells, immune cells, growth factors and cytokines. Stem Cells are biological cells that can differentiate into other types of cells and can divide to produce more of the same type of stem cells. Unlike many tissue sources, Cord Blood contains two types of stem cells:

**Mesenchymal Stem Cells** (MSC's) are cells that can give rise to more MSC's or differentiate into multiple types of tissue, ie: cartilage, tendon, bone, etc.

**Hematopoietic Stem Cells** (HSC's) are responsible for the creation of all components of blood and vascularity.

In addition to their ability to give rise to other cells and cell types, live, viable stem cells also have the ability to migrate to and target damaged or inflamed areas in the body, this is a property commonly referred to as "homing". UCB cells release growth factors, cytokines, molecules and proteins that recruit the recipients own cells into the area and communicate and effect those cells to regulate inflammation and repair and built damaged tissues and vascularity for optimal micro-environment regeneration. The cells found in UCB are immune naïve, but all blood components associated with rejection are additionally removed, so typing or HLA matching is not required.

## WHY UTAH CORD BANK?

Utah Cord Bank Products distinguish themselves by higher concentrations of therapeutic elements and less destructive processing. Proprietary processing protocols protect and preserve the therapeutic elements from donor tissues and set our products apart from competitors with respect to concentration, viability, and efficacy.

## BENEFITS

Regenerative Cell Products derived from the umbilical cord can stimulate your body at the cellular level to help regulate inflammation, regenerate damaged tissues, and reduce or eliminate pain.

**Common applications include:**

- Orthopedics
- Sports Medicine
- Pain Management
- Tissue Regeneration
- Esthetic's Applications
- Burn Treatment
- Wound Care
- Surgical



## DONOR ELIGIBILITY

Healthy, pre-screened Utah mothers donate the placental birth tissue at the time of Cesarean Sections. Donors are pre-screened via comprehensive medical and prenatal evaluations to determine eligibility, in accordance with FDA and Current Good Tissue Practice (CGTP) guidelines.

### Disclaimer Statement:

We do not claim that therapy using stem cells are a cure for any condition, disease or injury. All statements and opinions provided are for educational and informational purposes only and we do not diagnose or give medical nor legal advice. Individuals interested in stem cell therapy are urged to review all pertinent information and do their own research before choosing to participate in stem cell therapy.

For more information please contact us at:  
8675 S Sandy Pkwy Suite 110 | Sandy, Utah 84070  
(888) 295-1093 | [utahcordbank.com](http://utahcordbank.com)

**UCB** Utah  
Cord  
Bank  
WE CHANGE LIVES

STEMCB\_SPEC\_001



Utah Cord Bank (UCB) is a company with over 14 years of experience processing perinatal birth tissue products into therapeutic agents. Dr. Elliott Spencer, Ph.D., founder, owner and Chief Scientific Officer for Utah Cord Bank has decades of experience working with human tissues and cells. The founding philosophy was to bring innovation and value to stem cell-based medicine. Since 2004, the company has been an industry leader and innovator achieving a long list of industry firsts. UCB has an impeccable safety record, with zero 483 FDA Corrective Action notices nor any serious adverse event reports and complies with FDA 21 CFR part 1271 section 361 regulations.

The company prides itself on its state-of-the-art technology and its ability to provide products of the highest standards in the industry. Each product can be traced by its Tissue ID Number to the original donor if ever such need arises in the future. UCB continues to push delivery of stem cell medicine forward on every front.

Donors and donor tissues are rigorously screened for blood borne pathogens, heritable and non-heritable diseases or anomalies as well as environmental contaminants from medications to alcohol/drugs/tobacco & electronic vapor devices. Only healthy mothers who meet or exceed these thorough criteria are considered when collecting the birth waste tissue for use in all of UCB products. Finished products are tested a final time for contaminants as well as concentration and viability before being cleared for shipment.

UCB is a distinguished leader in the stem cell industry. Developing regenerative solutions that adhere to the highest quality standards, unique proprietary processes that maximize efficacy, and innovative use of cryopreservation resulting in a verified 85% cell viability post-thaw. The culmination of these strengths equals a concentration of therapeutic elements, providing an advantage to competitor products.

For more information about all of Utah Cord Banks advanced regenerative products please visit [www.utahcordbank.com](http://www.utahcordbank.com) or call 888-295-1093.