CELLSAVE
a CSG-BIO Company

The incredible power of newborn stem cells

A life-changing opportunity awaits

Newborn stem cells are valuable resources that have a **long history of saving lives.** What's even more exciting is their potential to help your family today and in the future.

At CellSave, we're dedicated to helping you preserve these powerful cells so **you can take advantage of this once-in-a-lifetime opportunity.**

Join the millions of families who are making the most of this moment by preserving their baby's newborn stem cells at birth. **CellSave provides the highest quality care and support** every step of the way so you can focus on being the best parent you can be for your child.

Did you know?

Cord blood is a perfect match to your newborn and excellent likelihood of being a suitable match to their siblings.

Cord blood

A valuable family resource

When your baby is born, the blood left inside the umbilical cord is very special. It contains powerful **hematopoietic stem cells (HSCs).** By preserving this blood at birth, you can lock these extraordinary abilities.

The impact of transplant medicine

For over **30 years**, cord blood has been used as part of stem cell transplants to rebuild the blood and immune systems in the treatment of more than **80 conditions**, including:

Blood disorders
(sickle cell anemia)

Cancers
(leukaemia and lymphoma)

Immune disorders
(severe combined immunodeficiency)

Metabolic disorders
(Krabbe disease)

Regenerative Medicine

There are more than 100 studies worldwide that have been initiated to investigate cord blood's value in regenerative medicine, which focuses on establishing or restoring normal function in the body. Some areas of research include:

Neurological
(cerebral palsy and autism)

Cardiovascular
(congenital heart defects)

Autolmmune
(type 1 diabetes)

TIssue and organ damage
(bronchopulmonary dysplasia)

Did you know?

Most families that have used their baby's cord blood have done so for investigational regenerative applications, such as clinical trials studying conditions such as autism, diabetes, cerebral palsy and acquired hearing loss.

Cord tissue

More healing potential for the future

Your baby's umbilical cord is made of tissue. It contains several cell types, including **mesenchymal stem cells (MSCs),** which have received a lot of attention from scientists for their potential in regenerative medicine. While this science is still being researched today, preserving cord tissue stem cells means you could have additional treatment options for your family in the years ahead.

A bright future

More than 200 clinical trials have been initiated worldwide to investigate cord tissue MSCs' potential for improving conditions that can arise and cause difficulty during a person's lifetime. Some areas currently being researched include:

Autoimmune disease
(lupus and type 1 diabetes)

Orthopedic and rheumatological conditions
(osteoarthritis)

Cardiovascular diseases
(heart disease)

Tissue and organ damage
(liver and lung disease)

Neurological diseases
(stroke and Alzheimer's disease)

Preserve with confidence

We keep your baby's newborn stem cells safe, secure, and ready for use now or in the future. Our innovative processes and standards always put quality first, allowing you to take advantage of the newest innovating science and technologies.

Quality
The cells we bank are pure, undifferentiated mesenchymal stem cells.

Safety
Your newborn's stem cells undergo testing throughout the entire process to ensure sterility and safety.

Facility
Your newborn's stem cells are processed and stored in a state-of-the-art cGMP and FDA compliant facilities.

Technology
Our core, proprietary technology and processes are only available through us.

Did you know?

It is possible to preserve your baby's newborn stem cells if you choose to practice delayed cord clamping. Just be sure to discuss your choices with your doctor before your due date.

Limitless possibilities

Cord tissue mesenchymal stem cells

Mesenchymal stem cells (MSCs) possess remarkable versatility, as they can differentiate into nearly any cell type within the body. Ongoing research indicates their potential for application in the treatment and prevention of degenerative and autoimmune disorders.

Power of cell regeneration

The main reason why chronic degenerative diseases impact us is the gradual decline and accelerated degeneration of our stem cells as we age. The rate of cell degeneration surpasses the rate of cell regeneration, leading to the onset and progression of these diseases.

Ongoing research indicates MSCs' potential for application in the **treatment and prevention of degenerative and autoimmune disorders.**

The ground-breaking revolution of regenerative medicine makes MSCs available for your family to use whenever you need them.

- ✓ **100% Pure Cells**
- ✓ **Clinical Grade**
- ✓ **Ready-to-be-used stem cells**
- ✓ **No HLA matching required**

Regenerative medicine is the future

With CellSave, you gain access to an infinite supply of cord tissue ready-to-use MSCs. Our proprietary stem cell banking technology allows the preserved cells to be used repeatedly. This groundbreaking service revolutionizes the field of regenerative medicine by offering transformative solutions.

- **Skin rejuvenation**
- **Face enhancing**
- **Hair loss**
- **Ovarian rejuvenation**
- **Erectile dysfunction**
- **Body performance**
- **Body enhancement**
- **Orthopedics**

Your family's master stem cell bank

CellSave Newborn Stem Cell Banking is our proprietary method of banking your child's pure mesenchymal stem cells (MSCs) for use in the future. We start by extracting MSCs from the perinatal tissues and then growing them to create a Master Stem Cell Bank for your child and family.

This Master Stem Cell Bank is designed to generate practically unlimited doses of your newborn's own MSCs for use in the future. It is capable of providing a lifetime supply of therapeutic doses.

Parents are making the informed choice to ensure their family will have access to stem cell treatments when needed by banking their baby's MSCs with CellSave. CellSave is meeting parents' expectations of banking with purpose — **for actual use.**

That's as many as 415 BILLION cells available to your baby and family over a lifetime.

1,037 TREATMENTS

Master Stem Cell Bank

Cultured fresh to generate over 1,000 treatments

Infinite supply is calculated based on average of 1,037 treatment doses. Each dose is calculated at 200-400 million cells (depending on physician's prescription).

A novel approach: Banking for actual use

When your newborn's cord tissue arrives to our lab, it undergoes quality testing to ensure it passes our rigorous standards for banking. Once our Quality Team places their stamp of approval on the tissue, one of our Stem Cell Production Specialists is assigned to begin the process of separating only pure MSCs from the tissue.

In a special room, where regulatory standards requiring it to be cleaner than a hospital operating room are met, your newborn's MSCs are "seeded" and incubated in growth media in exactly the right conditions.

Your technician carefully monitors your baby's stem cells, safeguarding and upkeeping the Master Cell Bank, which will be available for your family's future needs.

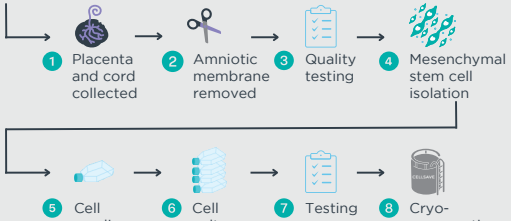
Process Comparison

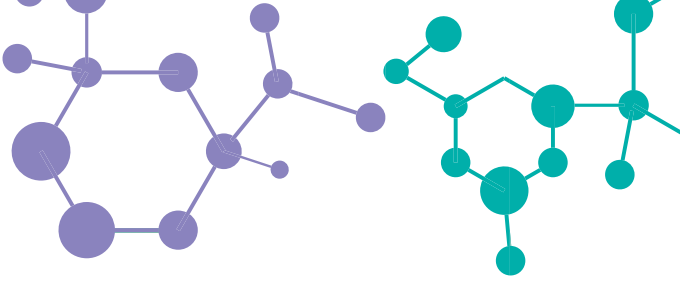
Traditional

Cord Blood Banking

CellSave Arabia®

Stem Cell Banking





Placental tissue

More possibilities

The placenta is an integral component of your baby's life support system. The placenta is responsible for transferring oxygen and nutrients between mother and baby, but its usefulness does not stop at birth. Stem cells from the placental tissue have **tremendous potential for use in regenerative medicine.** Preserving placental tissue stem cells means you can have additional treatment options for your family in the years ahead.

Unlimited potential

Placental tissue stem cells are currently being used in more than **100 regenerative medicine clinical trials** worldwide. Stem cells from placental tissue are already being used in therapies to treat wounds and promote healing –including diabetic ulcers and eye conditions that could ultimately lead to blindness. But they also have tremendous potential for use in regenerative medicine in diseases including:

- ✓ **Muscular dystrophy**
- ✓ **Autism**
- ✓ **Traumatic brain injury**
- ✓ **Spinal cord injury**
- ✓ **Parkinson's disease**

Other stem cell sources

Amnion placental stem cells

Amnion placental tissue contains a powerful trio of healing properties: **collagen, fibronectin, and hyaluronic acid.** As well as being another source of mesenchymal stem cells, the amniotic membrane itself has a combination of **growth factors, cytokines, and anti-inflammatory proteins** that can help cells communicate with each other to fight the disease.

Amnion placental tissue stem cells are currently being used in regenerative medicine clinical trials worldwide. These studies include treatment for conditions, such as ulcers, cardiovascular conditions, dry eye, amnion skin graft, burns, lung and liver fibrosis, brain injury, type 2 diabetes and 3D printing of body parts.

Cord vessel

Cord vessels are potential life-savers because they contain an abundance of **endothelial progenitor cells (EPCs).** These special stem cells can turn into endothelial cells, which line our blood vessel walls and help in the formation of new blood vessels.

Endothelial progenitor cells (EPCs) have immense clinical value for cardiovascular therapies. With many clinical trials underway around the world, EPCs could soon provide potential treatments for a wide range of very serious diseases, including advanced liver cirrhosis, ischemic stroke and idiopathic pulmonary arterial hypertension.

Our families inspire everything we do.

Family stories

My brother saved my life

Condition: Beta Thalassemia

Zayed was born with beta thalassemia, a life-threatening blood disease. Because Zayed's parents preserved his brother's cord blood, he was able to get a transplant using his brother's stem cells. The results were immediate and life-changing for Zayed.

> "We're incredibly grateful that we made the decision to store the cord blood with CellSave. They provided excellent service and worked closely with the transplant physician to ensure a positive outcome." Nouh, Zayed's father

A second chance to life

Condition: Sickle Cell Anemia

Shortly after Fatima was born, she was given the diagnosis of sickle cell anemia (inherited blood disorder). When her mother got pregnant again, she stored her new baby's cord blood stem cells with CellSave. Fatima's immune system was rebuild with the help of a stem cell treatment from her younger brother. Today she lives a full, healthy life, free of sickle cell disease.

> "It is unbelievably incredible that the umbilical cord which sustained her brother in the utero gave her a second chance to a healthy life. She has been healthy and energetic since her transplant in 2014." Asma, Fatima's mother

Did you know?

The odds of an individual needing a Hematopoetic Stem Cell transplant from any stem cell source by the age seventy is 1 in 217.

Helping families like yours for decades.

About CellSave

Founded in 1999, CSG-Bio Group sees every life as a chance for a great potential. Expectant parents have entrusted us with preserving more than 700,000 newborn stem cell units, making us **the largest stem cell laboratory in the region and one of the world's largest newborn stem cell company.**

The CellSave difference

High-Level Expertise
Our dedicated team of Clinical Newborn Stem Cell Educators will answer all your family's questions about newborn stem cells, your family health history, and clinical trials.

Superior Technology
Our cutting-edge technology is unlocking possibilities that were once unimaginable. Your newborn's stem cells are processed and stored in a state-of-the-art, cGMP- and FDA-compliant facilities.

Unparalleled Experience
We have preserved more newborn stem cell units than any other facility in the region. Plus we are the **#1 choice of expecting parents and OB/GYNs in the region.**

Peace of Mind
You can rest assure that your baby's newborn stem cells are safe in our laboratory and storage facilities. Our state-of-the-art lab facility offers the highest quality care and protection — samples are monitored 24/7 with regular temperature and environment checks.

Quality Excellence
As part of our Quality Standards, we test every cord blood and tissue sample for certain quality metrics and will alert you if the results fall below our parameters.

aabb Accredited

FDA REGISTERED

مركز التميز
CENTER OF EXCELLENCE
EXCELLENCE

زراعة نخاع العظم
HEMATOPOIETIC STEM CELL TRANSPLANTATION

Preservation
made easy.

How it works

Enroll

Sign up online or call **+974 7 476 6855** and your CellSave collection kit will be delivered to you

Collect

At birth, the umbilical cord and placenta will be placed into your CellSave collection kit.

Preserve

Your CellSave collection kit will be transported securely to our facility for safe storage.

Our team is available to guide you through this process. Contact us at **+974 7 476 6855** if you have any questions.

A healthier tomorrow starts today.

A physician's perspective

"First-degree relatives of the donor, such as parents, siblings, brothers, and uncles, can also be treated with stem cells. They have been successfully used to treat several types of leukemia, liver and pancreatic illness, burns, and other conditions."

Dr Osama Salha,
Consultant OB/GYN and sub-specialist in Reproductive Medicine and Surgery

"There are only two things that you can potentially buy your newborn baby that are lifesaving: one is a good car seat and the other is stem cell preservation."

Dr. Ahmed Omran,
Researcher of Reproductive Medicine,
Consultant of IVF and Assisted Reproduction

"Stem cells play an incredibly important role throughout our lives. They can be used to help repair damaged tissue and are vital to the natural turnover of various tissues in the body. When you preserve them and reintroduce them into the body, they can stimulate the body to heal itself in multiple ways. Preserving newborn stem cells at birth can be compared to investing in a child's future health."

Dr. Jhehad Sadek,
Consultant OB/GYN

"With such a fast pacing and incredible progress in science, I am excited to see what the future holds for newborn stem cells. Not only are there over 80 FDA-approved conditions that stem cells can be used for today, but there are hundreds of clinical trials in regenerative medicine exploring potential treatments for conditions that today have no cure. We have only scratched the surface."

Dr. Fareed Abuonahya,
Consultant OB/GYN

Making peace of mind affordable.

Find the right option for your family.

1 Choose your package:

CryoAdvanced
- cord blood
- cord tissue
- placental tissue

CryoUltimate
- cord blood
- cord tissue
- placental tissue
- amnion tissue
- cord vessel

CryoInfinite
- cord blood
- cord tissue
- placental tissue
- amnion tissue
- cord vessel
- infinite supply of treatment-ready MSCs

2 Payment plan options:

- One-time payment

Financing plan options:

- 3-month financing
- 6-month financing
- 12-month financing

Learn more about special promos:

Visit **cellsave.com** or speak with a Clinical Newborn Stem Cell Educator at **+974 7 476 6855** to learn about our current offers.

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Contact CellSave, we are here to help.

To learn more, call us at +974 7 476 6855 or visit cellsave.com

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