



## QUICK GUIDE STEM CELL



### WHAT ARE STEM CELLS?

Stem cells are considered the “**master cells**” of the body. These immature cells have the remarkable potential to develop into many different types of cells that make up our blood, tissue, organs, and immune system.<sup>1</sup> *Stem cells also act as an internal repair system by repeatedly dividing to replenish other cells as they die or are damaged.*<sup>1</sup>

### WHY BANK STEM CELLS IF MY FAMILY HAS NO HISTORY OF BLOOD DISEASES?

In 2021, over 10,000 children are expected to be diagnosed with cancer in the US alone.<sup>2</sup> Many families have no prior history of the disease, which may require treatment with stem cell transplants. In addition, stem cells are actively being studied in an emerging medical field called regenerative medicine. *So your family could potentially benefit from future stem cell-related treatments.*

### IS THE COLLECTION PROCESS SAFE?

**Absolutely! The entire process is performed by your own healthcare provider, is non-invasive, and only takes about 5 minutes.**

Once your baby is born and the umbilical cord has been cut, your healthcare provider will collect blood from the portion of the cord still attached to the placenta. If you are banking placental stem cells, the entire placenta will be collected separately and placed into a special bag.

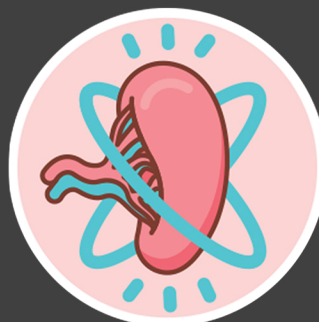
*The collection kit will then be transported by medical courier to the Lifebank laboratories for processing and preservation.* The stem cells will be cryopreserved in a vapor-phase liquid nitrogen storage tank that is continuously monitored 24 hours a day, 7 days a week until the time when your family may need them.

**REFERENCES** 1) National Institute of Health. Stem Cell Basics: What are the unique properties of stem cells?. Available at: <https://stemcells.nih.gov/info/basics/II.htm>. Accessed April 12, 2021.  
2) American Cancer Society. Key Statistics for Childhood Cancers. Available at: <https://www.cancer.org/cancer/cancer-in-children/key-statistics.html>. Accessed April 12, 2021.

## IN YOUR CHILD’S LIFETIME, STEM CELLS COULD



Reverse Tissue Damage



Repair + Replace Organs



Treat + Cure Disease





PLACE YOUR FAMILY'S FUTURE IN GOOD HANDS

## Choosing Your Stem Cell Bank

You have a lot to think about before your baby arrives. That's why Lifebank makes the entire stem cell banking process, from collection to storage, as easy—and transparent—as possible.

### HOW TO ENROLL TODAY:



**INSTANT ONLINE ENROLLMENT**

[www.lifebankusa.com](http://www.lifebankusa.com)



**SCHEDULE A FREE PLANNING SESSION**

[calendly.com/lifebankusa](http://calendly.com/lifebankusa)



**SPEAK TO A STEM CELL EXPERT**

**(877)-543-3226**



### CORD BLOOD BANKING

Banking the stem cells from your newborn's umbilical cord blood gives you peace of mind that the stem cells will be available for potential therapeutic applications if needed by your family in the future. Today, stem cells from cord blood are being used to treat up to 80 different diseases.



### PLACENTAL STEM CELL BANKING

Add a second collection of usable stem cells from the postpartum placenta! Placental blood is richer than cord blood in stem cells. Collecting both provides greater peace of mind that enough stem cells will be available if they are needed.



### CORD & PLACENTA TISSUE BANKING

Cord and placenta tissue provides a rich source of certain stem cells that have potential applications in regenerative medicine because of their unique capacity to regenerate into a variety of other cells such as bone, cartilage, and fat.



### WE ARE EXPERIENCED

Your family only has one chance to secure this life-saving potential so you have to choose the company with both the experience and the know-how to safely collect, store, and monitor your cells – and that's Lifebank!



### MORE THAN JUST BANKING

By joining the Lifebank family of clients you connect with a company, Celularity Inc., that is developing COVID-19 solutions, researching advanced cellular therapy with clinical trials, and exploring various ways that living human cells can help the body regenerate.