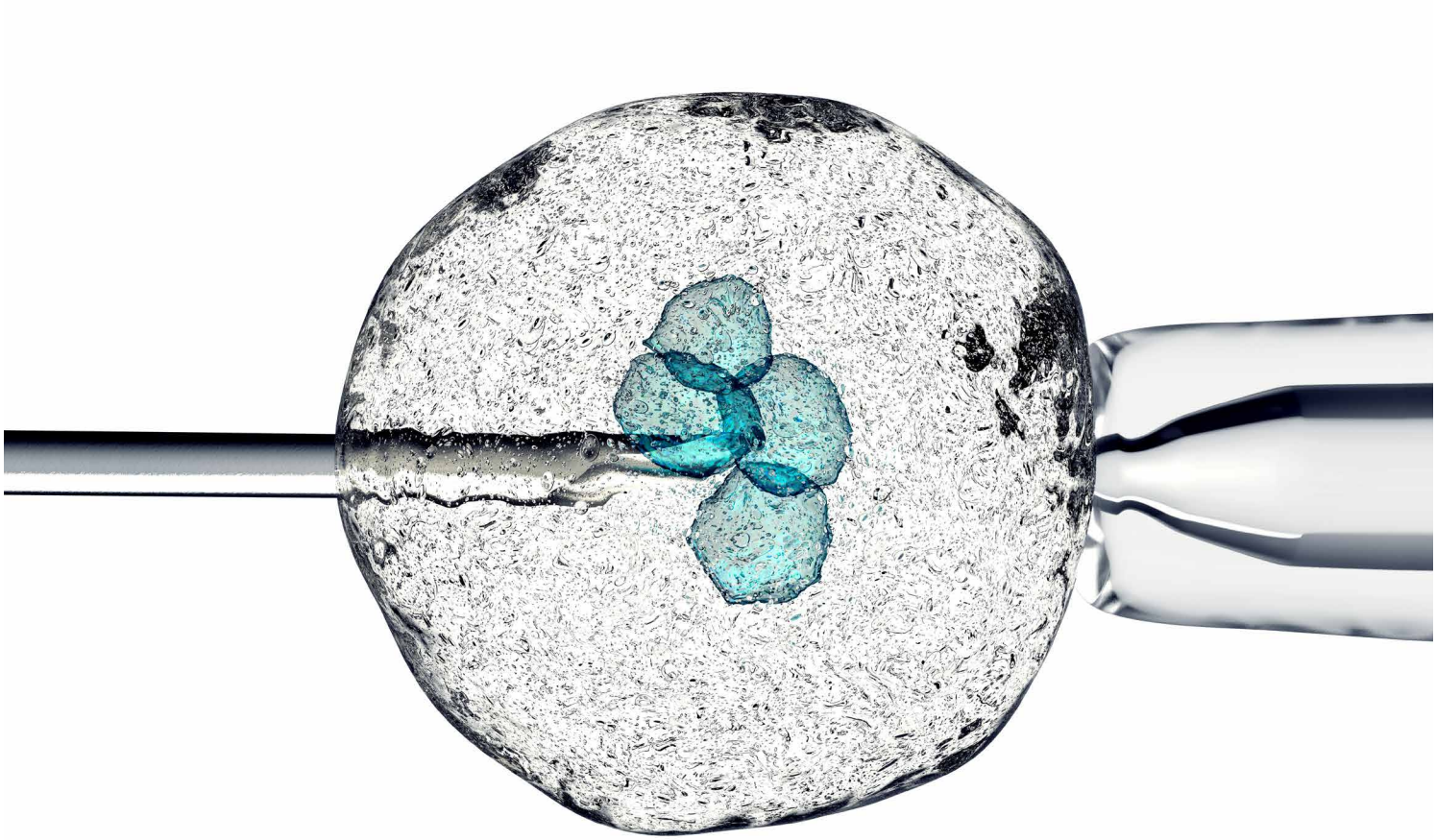
MiracleCord®

A PROMISE FOR YOUR FUTURE®

The MiracleCord Advantage



Quality, experience, and affordability...

It's why parents choose MiracleCord.

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MiracleCord®

Dear Expectant Parent,

Congratulations on the upcoming birth of your baby! We understand this is a very exciting time for your family, and MiracleCord is proud to be a part of your decision to bank your newborn's stem cells.

MiracleCord leads the industry with advanced and comprehensive cord blood and tissue banking services. With nearly two decades of experience, we remain on the forefront of stem cell research and technology and appreciate the opportunity to share the benefit of our experience with your family.

Our commitment to high-quality stem cell banking and exceptional customer care makes MiracleCord an excellent value and a wise investment for your family.

This *Guide to Cord Blood and Tissue Banking* is full of valuable information that will help your family make one of the most important decisions of your pregnancy.

Should you have any questions, please call 888-743-2673 and our customer service professionals will be happy to assist you.

Best wishes,

Mark Locascio
CEO
MiracleCord, Inc.

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The Miracle of Cord Blood

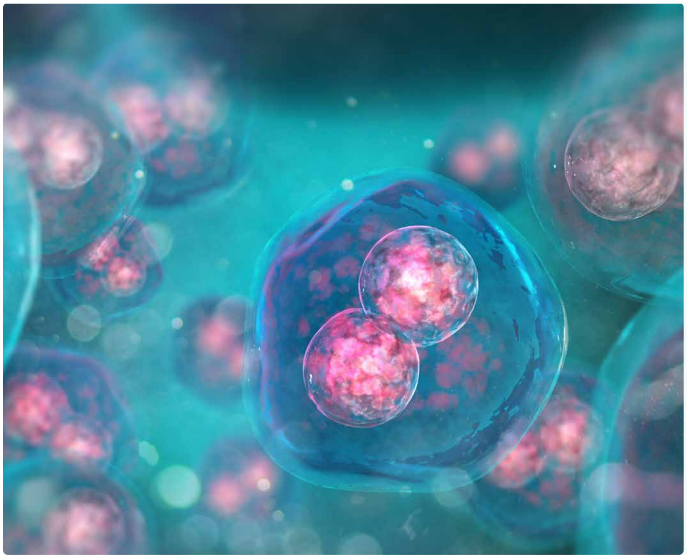
What is cord blood?

Cord blood is the excess blood found in the placenta and umbilical cord after your baby is born. It is rich in stem cells, which are genetically unique to your newborn. If not collected at the time of your baby's birth, this potentially life-saving resource will be discarded as medical waste.



Stem cells from cord blood are the "building blocks" of our blood and immune systems. They are capable of self-renewal and regeneration and have the ability to repair and rebuild damaged tissue within the body.

Families who wish to take advantage of current therapies and the unlimited treatment potential of cord blood stem cells must be diligent. Your only chance to save this valuable resource is at the time of your baby's birth.



Did you know...

More than 45,000 patients worldwide have been treated with cord blood stem cells. For many diseases, cord blood may offer the only hope for a cure.

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The Importance of Banking Cord Blood

Why bank cord blood?

When you bank your baby's cord blood, you provide your family with an excellent chance of survival when a stem cell transplant is needed.

Banking your newborn's cord blood ensures the stem cells will be a perfect genetic match for your baby and a good chance of a suitable match for a sibling or parent.

Since 1988, tens of thousands of lives have been saved by cord blood stem cell transplants. Currently, cord blood stem cells are approved by the FDA for the treatment of more than 80 diseases and conditions, including many blood disorders, cancers, immune disorders, metabolic disorders, and more. This number continues to grow as new discoveries are made and therapies are developed.

It is estimated that as many as 1 in 3 people in the United States may benefit from regenerative medicine therapy with stem cells.[1]



[1] Harris DT. Cord blood stem cells: a review of potential neurological applications. Stem Cell Rev. 2008;4:269-274. Epub August 5, 2008.



"The reasons people are storing cord blood today represent only a fraction of its potential uses in the future, as scientists continue to make incredible new discoveries."

Erik Woods, PhD
Cryobiologist & Scientist

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Diseases Treated with Cord Blood

There are 80+ diseases and conditions that are FDA-approved for treatment with cord blood stem cells and the list continues to grow with over 3,500 clinical trials initiated exploring new therapies.

Cancers

Acute Biphenotypic Leukemia
Acute Lymphocytic Leukemia (ALL)
Acute Myelogenous Leukemia (AML)
Acute Undifferentiated Leukemia
Adult T Cell Leukemia/Lymphoma
Chronic Active Epstein Barr
Chronic Lymphocytic Leukemia (CLL)
Chronic Myelogenous Leukemia (CML)
Chronic Myelomonocytic Leukemia (CMML)
Ewing Sarcoma
Hodgkin's Lymphoma
Juvenile Chronic Myelogenous Leukemia (JCML)
Juvenile Myelomonocytic Leukemia (JMML)
Myeloid/Natural Killer (NK) Cell PrecursorAcute Leukemia
Non-Hodgkin's Lymphoma
Prolymphocytic Leukemia
Plasma Cell Leukemia
Leukocyte Adhesion Deficiency
Multiple Myeloma
Neuroblastoma
Rhabdomyosarcoma
Thymoma (Thymic Carcinoma)
Waldenstrom's Macroglobulinemia
Wilms Tumor

Blood Disorders

Acute Myelofibrosis
Agnogenic Myeloid Metaplasia (Myelofibrosis)
Amyloidosis
Aplastic Anemia (Severe)
Beta Thalassemia Major
Blackfan-Diamond Anemia
Congenital Amegakaryocytic Thrombocytopenia (CAT)
Congenital Cytopenia
Congenital Dyserythropoietic Anemia
Dyskeratosis Congenita
Essential Thrombocythemia
Fanconi Anemia
Glanzmann's Thrombasthenia
Myelodysplastic Syndrome
Paroxysmal Nocturnal Hemoglobinuria (PNH)
Polycythemia Vera
Pure Red Cell Aplasia
Refractory Anemia with Excess Blasts (RAEB)
Refractory Anemia with Excess Blasts in Transition (RAEB-T)
Refractory Anemia with Ringed Sideroblasts (RARS)
Shwachman-Diamond Syndrome
Sickle Cell Disease

Immune Disorders

Adenosine Deaminase Deficiency (SCID)
Bare Lymphocyte Syndrome (SCID)
Chediak-Higashi Syndrome (SCID)
Chronic Granulomatous Disease
Congenital Neutropenia
DiGeorge Syndrome
Evans Syndrome
Fucosidosis
Hemophagocytic Lymphohistiocytosis (HLH)
Hemophagocytosis Langerhans' Cell Histiocytosis (Histiocytosis X)
IKK Gamma Deficiency (NEMO Deficiency)
Immune Dysregulation, Polyendocrinopathy, Enteropathy, X-linked (IPEX) Syndrome
Kostmann Syndrome (SCID)
Myelokathexis
Omenn Syndrome (SCID)
Phosphorylase Deficiency (SCID)
Purine Nucleoside (SCID)
Reticular Dysgenesis (SCID)
Severe Combined Immunodeficiency Diseases (SCID)
Thymic Dysplasia
Wiskott-Aldrich Syndrome
X-linked Agammaglobulinemia
X-Linked Hyper IgM Syndrome
X-Linked Lymphoproliferative Disorder

Metabolic Disorders

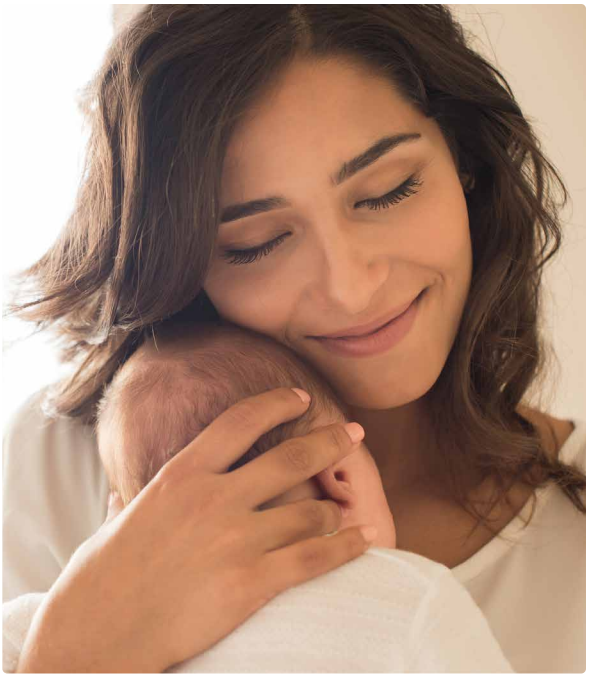
Congenital Erythropoietic Porphyria (Gunther Disease)
Gaucher Disease
Hunter Syndrome (MPS-II)
Hurler Syndrome (MPS-IH)
Krabbe Disease
Lesch-Nyhan Syndrome
Mannosidosis
Maroteaux-Lamy Syndrome (MPS-VI)
Metachromatic Leukodystrophy
Mucolipidosis II (I-cell Disease)
Neuronal Ceroid Lipofuscinosis (Batten Disease)
Niemann-Pick Disease
Sandhoff Disease
Sanfilippo Syndrome (MPS-III)
Scheie Syndrome (MPS-IS)
Sly Syndrome (MPS-VII)
Tay Sachs
Wolman Disease
X-Linked Adrenoleukodystrophy

Note: Some diseases may be known by other names. The use of umbilical cord blood stem cells to treat many diseases and conditions is typically considered standard therapy, while the treatment for other conditions may still be in a clinical trial phase.

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Cord Tissue - The New Frontier

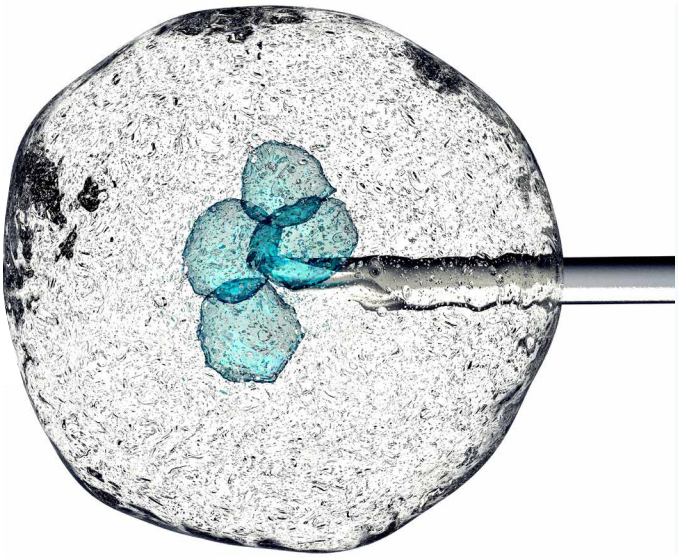
About Cord Tissue



Scientists have found that your baby's umbilical cord tissue is an abundant source of valuable stem cells that are different from cord blood stem cells, but equally important. They offer potential to treat many critical diseases that conventional medicine and cord blood stem cell therapies have not been able to treat effectively.

One of the many types of cells found in cord tissue are MSCs or Mesenchymal Stem Cells. MSCs represent the most advanced, cutting-edge discoveries in regenerative medicine today. With over 2,300 MSC clinical trials initiated and numerous research studies in process, scientists predict there will be an explosion of new therapies universally adopted, including possible treatments for type 1 diabetes, multiple sclerosis, stroke, heart failure, liver damage, Alzheimer's, and many more.

Private banking of both cord blood and cord tissue may provide your family with the most complete scope of future treatment options.



Did you know...

Scientists predict there will be an explosion of new therapies using MSCs from cord tissue, as they represent the most advanced, cutting-edge discoveries in regenerative medicine today.

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Why Parents Choose MiracleCord®

The MiracleCord Advantage

- **TimeCritical® Processing**
  Outpaces the competition. Can yield significantly more viable stem cells.
- **Experienced Laboratory**
  FDA-registered, AABB-accredited and CLIA-certified.
- **Maximum Viability and Recovery Rates**
  Advanced processing methods result in cell viability and recovery rates among the highest in the industry.
- **StemCare® Thermal Collection Kit**
  Includes an FDA-approved sterile cord blood collection bag that is safe for use in the sterile field for C-sections.
- **Exceptional Value**
  High-quality cord blood and tissue banking services at affordable prices.
- **$100,000 Quality Guarantee**
  Your baby's cord blood stem cells are backed by our $100,000 engraftment guarantee.†

"We have banked both our kids cord blood with MiracleCord... they provide the best competitive pricing in the market and have very fast and seamless process. We are very satisfied and continue to recommend them to our friends."

– Nimisha of Georgetown, TX

Quality, experience, and affordability.

It's why parents choose MiracleCord.



†Subject to the terms and conditions in the MiracleCord Client Agreement. Void where prohibited by law.

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TimeCritical® Processing

Timing Is Critical

The one factor having the greatest impact on **stem cell count** (the number of viable stem cells available for transplant) is time. Stem cells from umbilical cord blood and cord tissue are living cells with a limited lifespan outside of the human body.

Studies show that cord blood processed within 12 hours of collection yields a significantly greater number of viable stem cells.[1] Nearly half of the stem cells collected lose their viability when cord blood is processed just 24 hours after collection.

TimeCritical® Processing

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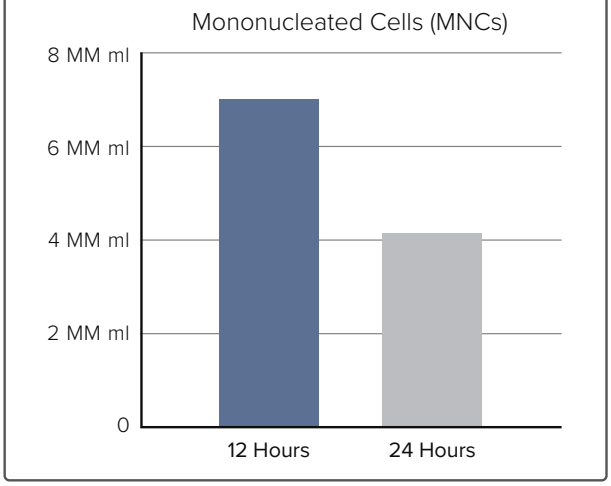
Greater Stem Cell Count

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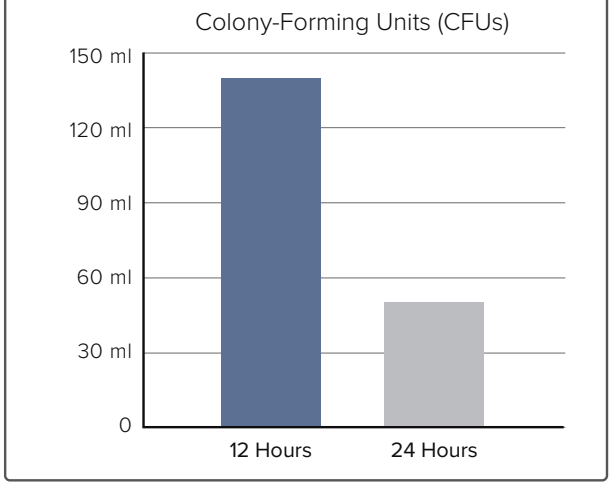
Improved Transplant Outcomes

MiracleCord has the unique ability to process your baby's cord blood in significantly less time than most other cord blood banks with our exclusive TimeCritical processing. This can yield considerably more viable stem cells, which in turn may correlate to better transplant outcomes and improved patient survival rates.

67% More MNCs in 12 Hours



2.8x More CFUs in 12 Hours



[1] Shlebak AA, Marley SB, Roberts IAG, Davidson RJ, Goldman JM, Gordon MY. 1999. Optimal timing for processing and cryopreservation of umbilical cord hematopoietic stem cells for clinical transplantation. Bone Marrow Transplantation 23: 131-136.

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Experience Your Family Can Trust

About The Laboratory



When you choose MiracleCord, your baby's cord blood and cord tissue will be processed by one of the nation's leading laboratories specializing in biological cryopreservation.

MiracleCord has nearly two decades of experience, and our state-of-the-art lab facilities are FDA-registered, AABB-accredited and CLIA-certified. This ensures that we adhere to the industry's most stringent standards for processing and storing your baby's stem cells.

Our experienced laboratory technicians will process your baby's cord blood and tissue stem cells, yielding recovery and viability rates that are among the highest in the industry.

StemCare® Thermal Collection Kit

MiracleCord's StemCare thermal collection kit includes an FDA-approved sterile collection bag that is safe for use in the sterile field should a c-section be necessary. Our StemCare technology was designed to protect your baby's cord blood and cord tissue from fluctuations in temperature while in transit to our lab facilities.

Direct Medical Courier Service

MiracleCord utilizes a direct medical courier service to facilitate the fastest delivery of your baby's stem cells to our lab. They are specially trained in the handling of human tissue, and are available 24 hours a day, 7 days a week (including holidays) to pick up and carefully transport your baby's cord blood and tissue in a temperature-controlled environment.

Our medical courier will not transfer custody of MiracleCord shipments to a commercial shipper such as FedEx® or UPS®, and they will not hold our shipments until a large batch is gathered before shipping. These cost-cutting measures used by most other companies can delay lab processing by 24 hours or more, resulting in a significant loss of stem cells.

Our exclusive TimeCritical® processing ensures your baby's specimens will go next flight out directly to our lab and will be processed for long-term storage without delay.

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The MiracleCord Collection Process

1. Enrollment

Enrolling with MiracleCord is easy and only takes a few minutes. You may **Enroll Online at miraclecord.com or call 888-743-2673 to enroll by phone**. Upon enrollment, MiracleCord will immediately ship your MiracleCord StemCare® collection kit to you.

2. Planning for the Birth

Once you receive your **StemCare® thermal collection kit**, follow the instructions provided within. Pack your collection kit with the personal items you plan to bring to the hospital/birthing facility, and also bring it with you to all your doctor appointments.

3. Specimens Collection

Immediately following your baby's birth, your doctor will clamp and cut the umbilical and then perform the cord blood and cord tissue collection. The process only takes about five minutes, and there is no risk or pain to mother or baby.

4. Medical Courier Pick Up

Once your baby's cord blood and cord tissue have been collected, **call 888-917-7447** to request your pick up. Our medical courier partner will retrieve your collection kit from your hospital room or birthing facility and immediately transport it to the laboratory.

5. Processing

Several tests will be performed on the cord blood, cord tissue and the maternal blood samples. Your baby's cord blood and cord tissue will then be processed and prepared for long-term cryogenic storage.

6. Storage

Your baby's stem cells will be safely and securely cryogenically stored. After all testing is complete, you will receive a **MiracleCord Certificate of Storage** and a comprehensive lab report.

The MiracleCord Process...
Easy. Simple. Worry-free.

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Making Life-Saving Technology Affordable to All Families

Pricing

Choosing MiracleCord means your family will receive unsurpassed quality and exceptional value. We are committed to providing high margins of stem cell recovery using advanced and reliable collection, transport, processing and storage technologies... all at affordable prices.

All MiracleCord Plans Include:

- Time Critical® processing
- Direct medical courier service
- FDA-registered, AABB-accredited, CLIA-certified lab/storage facility
- Advanced processing methods yielding maximum cell viability and recovery rates
- StemCare® collection kit
- MiracleCord Certificate of Storage with detailed lab report
- $100,000 Quality Guarantee

Visit miraclecord.com for current pricing and special offers.



The Gift They Won't Outgrow

Saving your baby's stem cells is truly the gift of a lifetime. Based on the results of numerous studies, scientists predict cord blood stem cells will remain completely viable with no change or degradation to cells for a minimum of 200 years.

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