

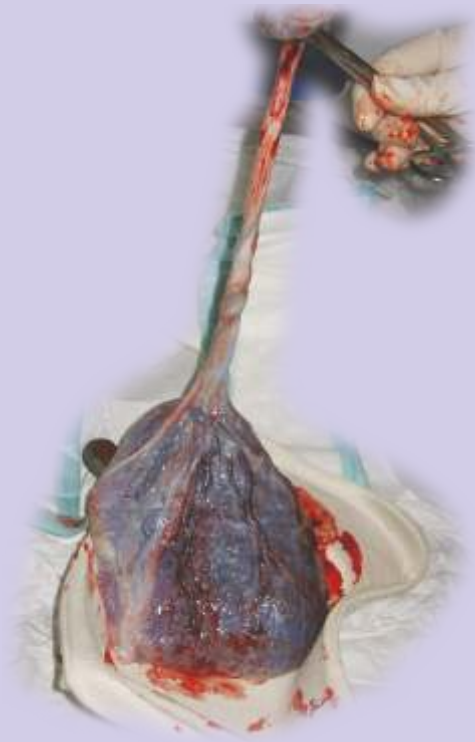


Cord blood banking

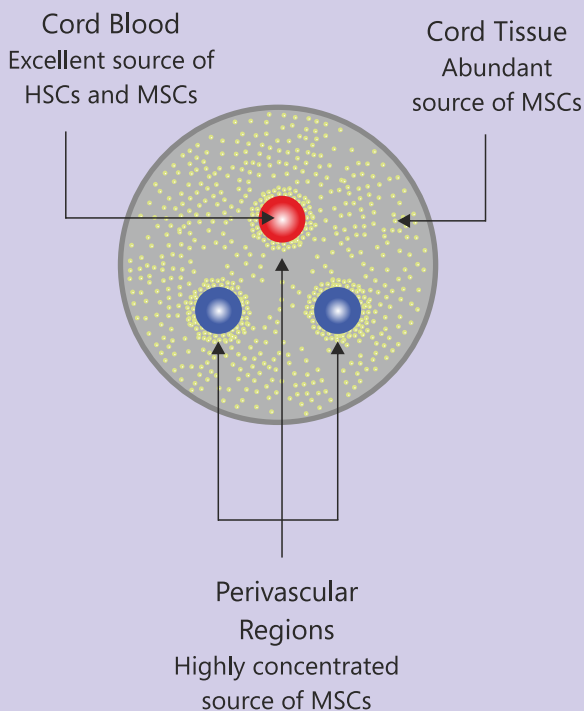
Your step towards healthy and safe future.



Stem Plus
CRYOPRESERVATION
transforming waste into clinical gold



Umbilical cord blood (UCB) is the blood collected from the umbilical cord immediately after the birth of a child. This blood provided nourishment to the baby during pregnancy, but once the baby is delivered, UCB is no longer necessary.



UCB is a rich source of multipotent hematopoietic "stem cells". These cord blood stem cells produce the cellular components necessary for the blood and the immune system. Umbilical cord blood cells are useful to restore the immune, blood or tissues and replace diseased blood. Collecting your child's umbilical cord blood, cord and placental stem cells and saving it in a Stem Plus Cryopreservation, cord blood bank provides you with insurance in case your child develops any illnesses where cord blood can be used in treatment.

Collecting Cord blood, cord and placenta is simple pain less procedure.

Stem Plus Cryopreservation cord blood collection service takes care of every details related to your cord blood banking procedures

1 Enrollment



Enrolling with Stem Plus Cryopreservation is very simple. Just call +91233 2373727 or our representative or enroll on-line.

2 Bring kit to hospital.



After your enrollment, you will receive Stem Plus Cryopreservation's Collection Kit. Keep it with you and bring it to the hospital. Call +91233-2373727.

3 Call Stem Plus Cryopreservation after child birth.



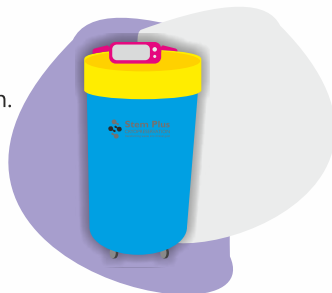
After child birth, blood is collected from the cord. Just call us and we will handle all the logistics.

4 Pick-up by private courier.



A private courier will pick up your baby's cord blood from your hospital and deliver it to our laboratory.

5 Processing & cryopreservation.



Our state-of-the-art laboratory facility will utilize the most advanced technology to maximize the quality of cord blood stem cells.

6 Long-term cryopreservation.



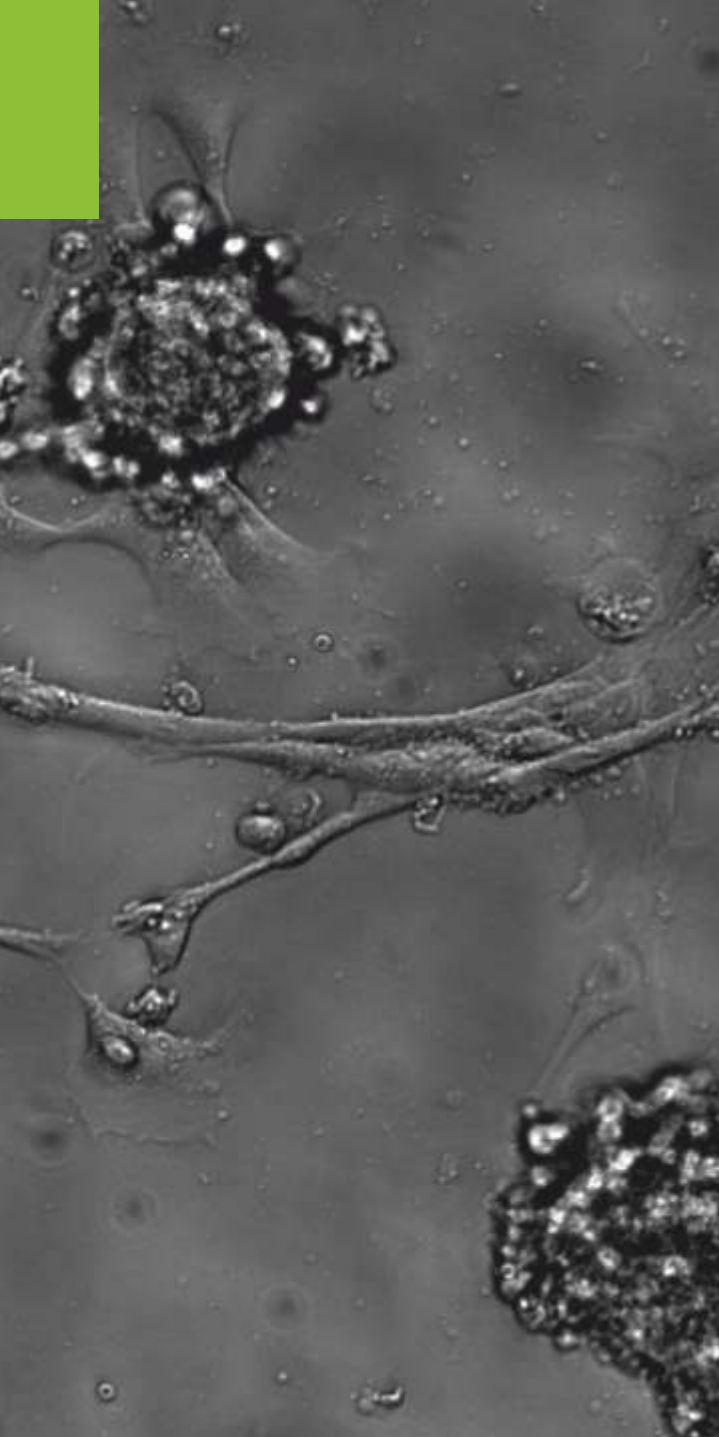
Our state-of-the-art laboratory facility will store your cord blood stem cells at -196°C in liquid nitrogen.

7 Quality assurance.



You will receive a certificate of cryopreservation. This certificate shows analysis of cord blood unit.

Be assured that your baby's cord blood is safely stored at our laboratory.



Introduction to Cord Blood VSEs:

Primary focus of all cord blood banks is on isolating the hematopoietic stem cells (HSCs). HSCs are important for regeneration of blood and immune based systems, but till the date it was not known that they are capable of organ regeneration. Recently, American scientists discovered another type of stem cell in umbilical cord blood called VSEs (very small embryonic like stem cells), which are now believed to be responsible for the regeneration in the UCB.

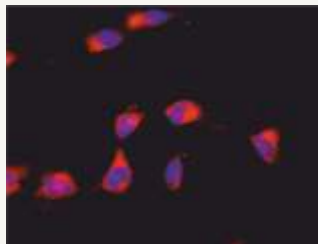
What are VSEs ?

VSEs are adult stem cells. They are not embryonic stem cells. They retain many of their pluripotency characteristics. i.e. they are primitive uncommitted cells capable of differentiating into many cell lineages including cardiac, neural, and pancreatic cells. The VSEs is a densely packed very small cell in comparison to the HSC (about one third the diameter size but extremely dense and heavy), and due to bigger density compared to hematopoietic stem cells they are typically discarded in the cord blood processing steps.

For example, all cord blood processing technology discards cells which are heavier than hematopoietic cells-this includes the undesirable red blood cells. However, when we separate cells based on density, the VSEs separate with certain red blood cells called nucleated red blood cells.

Capturing the VSEs without getting a significant red cell contamination requires advanced smart technology and flexibility.

Stem Plus Cryopreservation has developed a technology to isolate and store the VSEs and HSCs.





Stem Plus Cryopreservation was founded with a commitment to make cord blood banking affordable for parents; without compromising the service and quality.



Setting the Industry Standard

Stem Plus Cryopreservation maintains the highest possible cord blood standards in the industry. They are processed according to cGMP, DCGI, FACT, and AABB standards.

Our lab is licensed with Sangli-Miraj-Kupwad Municipal corporation, Department of Health. DCGI approval is applied.

The lab of Stem Plus Cryopreservation is run by one physician and two PhDs.

The physician is a specialist in hematology (blood diseases).

One of the PhD is a specialist in fetal stem cells, and cryopreservation of human tissues and the other is cell culture expert.

This broad range of experts involved in our cord blood bank ensures that every aspect of the collection, processing and long-term cord blood storage is handled with the utmost professionalism and care.



Cryopreservation

Cells should be Cryopreserved by using reagents approved for human use (Xeno free). Non-human animal products are not used.

Storage Temperature

After processing, cells are stored in a -196°C temperature. Cells are stored continuously in liquid nitrogen tank equipped with an audible alarm.

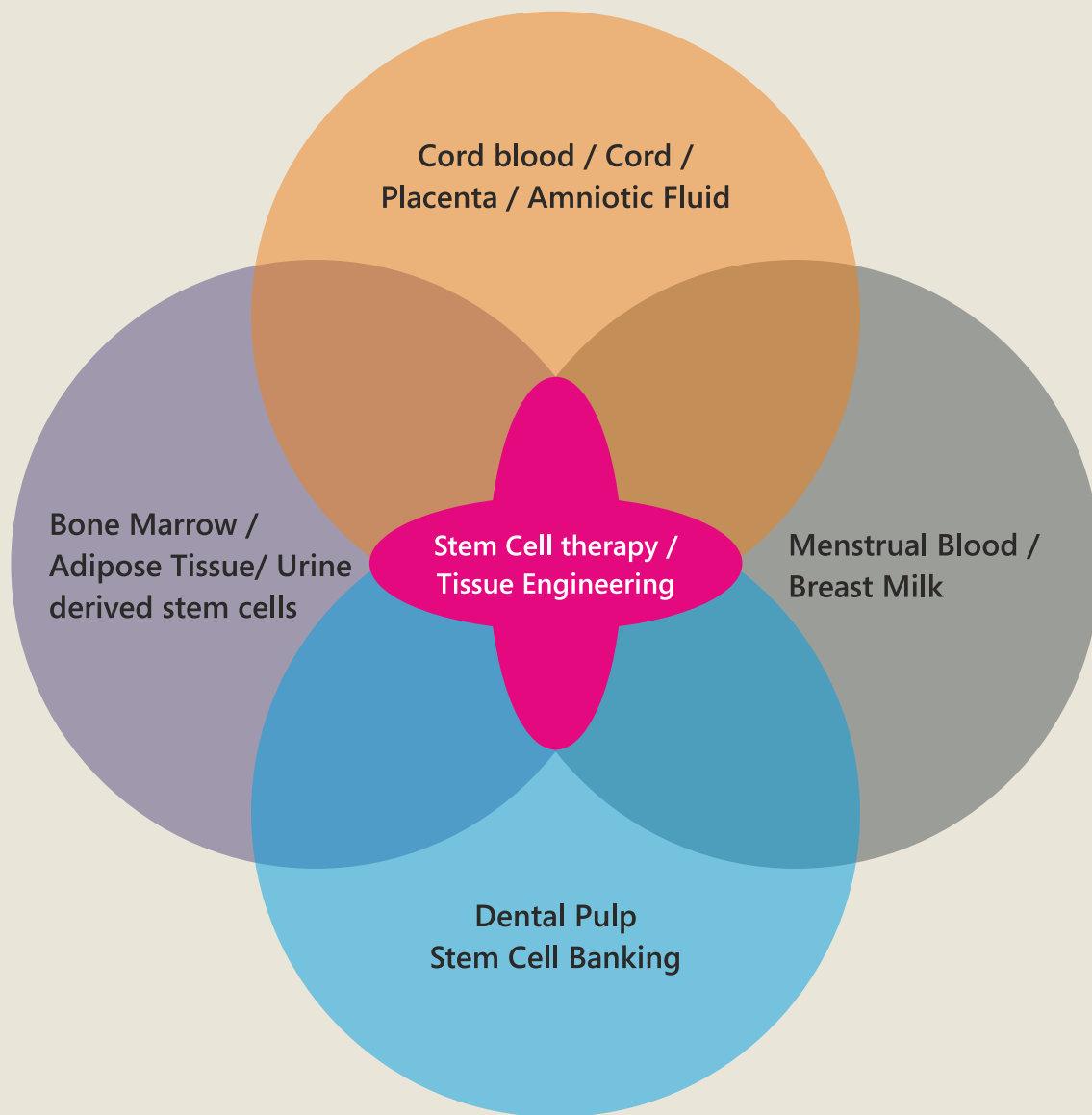
A backup system is placed in the event of unexpected failures.

Length of Storage

The cells can be stored at minus -196°C for indefinite time. Therefore, there is no expiry date assigned to the cord blood stored in liquid nitrogen. Cord Blood unit is available for Life time. Your child's cord blood will remain safely cryopreserved in our laboratories.

Stem Plus Cryopreservation

encourages trust and unspoken commitment.



THE FUTURE PROMISES THE USE OF STEM CELL THERAPY IN TREATING MANY MORE LIFE-THREATENING DISEASES.

Stem cells have great potential for curing diseases, alleviating suffering and saving lives

These miracle cells have the potential to treat a number of ailments.

Cord blood stem cells can treat a number of diseases such as:

1. Cardiac Disorders

- Chronic Heart Failure
- Acute Myocardial Infarction
- Cardiomyopathy
- Vascular Disorders

2. Liver & Kidney Disorders

- Liver Cirrhosis
- CKD

3. Bone & Cartilage Disorders

- Osteoarthritis
- AVN
- Non-healing fractures
- Osteogenesis Imperfecta
- Chondrodysplasia

4. Neuro-Muscular Disorders

- Cerebral Palsy
- Autism
- Stroke
- Spinal Cord Injury
- Multiple Sclerosis
- Parkinson's Disease
- Alzheimer's Disease
- Muscular Dystrophy
- ALS

5. Haematological Disorders

- Acute Leukemias
- Chronic Leukemias
- Myelodysplastic Syndromes
- Marrow Failure
- Thalassemia
- Myeloproliferative Disorders
- Lymphoproliferative Disorders
- Phagocyte Disorders
- Inherited Platelet Abnormalities
- Other Inherited Disorders
- Inherited Metabolic Disorders
- Histiocytic Disorders
- Inherited Erythrocyte Abnormalities
- Inherited Immune System Disorders
- Plasma Cell Disorders

6. Diabetes

7. Eye Disorders

8. Anti-ageing

9. Cancers

With every clinical study and breakthrough, the vision of stem cell treatment becomes definite. People are accepting that, stem cells can be beneficial for degenerative and traumatic diseases.



Pricing

Payment & pricing options	Cord blood gold + (Cord blood / Cord / Placenta)	Cord Blood Gold Cord blood
Enrolment Fee	₹ 5,000/-	₹ 5,000/-
Registration Fee	₹ 30,000/-	₹ 25,000/-
Up Front payment	₹ 45,000/-	₹ 35,000/-
12 EMI (PDC)	₹ 4,000/-	₹ 3,000/-

Dear Client

“When your trust is enduring Stem Plus Cryopreservation feels honored and rewarded”

Our Clients Say...



Dear parent - to - be:

When my wife was pregnant with our second child, she asked me if we should look into cord blood banking option. As a dentist, this question I am hearing frequently from my patient families.

Knowing potentials of cord blood, I strongly recommend it to my patients. One of the most important reasons to save cord blood stem cells is that new research is investigating the use of cord blood to treat conditions like blood disorders, brain injury, and orthopedics. They have already been used to treat many life-threatening diseases. As new therapy methods are developing, having cord blood on hand may be precious.

I am glad that we decided to save cord blood for our son, and I feel confident recommending the Stem Plus Cryopreservation I chose.

This is the only chance parents have for a child to bank his or her cord blood stem cells. I strongly believe cord blood banking is well worth the investment for a family's future.

Best wishes Stem Plus Cryopreservation family!

Dr. Kadam



Cord blood banking with Stem Plus Cryopreservation was the important and effective investment for our son 'Ansh'. Protecting health of our second son was our top concern. Storage facility of Stem Plus Cryopreservation at an affordable rate was very impressive. The service provided by Stem Plus Cryopreservation team has been outstanding. We had no question in our minds that with Stem Plus Cryopreservation was the best choice for us. The Team along with Paramedic staff, were available on time during delivery to collect the cord blood on request. Importantly, being a local cord blood bank, we have a constant update of our stored sample.

We personally wish you all the best.

Best Regards,

Prashant Kharade-Patil

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www.stemplusbiotech.com



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