



Dental Stem Cells Banking

Preserve Your tooth, to save your life in future



Stem Plus
CRYOPRESERVATION
transforming waste into clinical gold

We dream of a future where stem cells are used as therapeutic prospective.

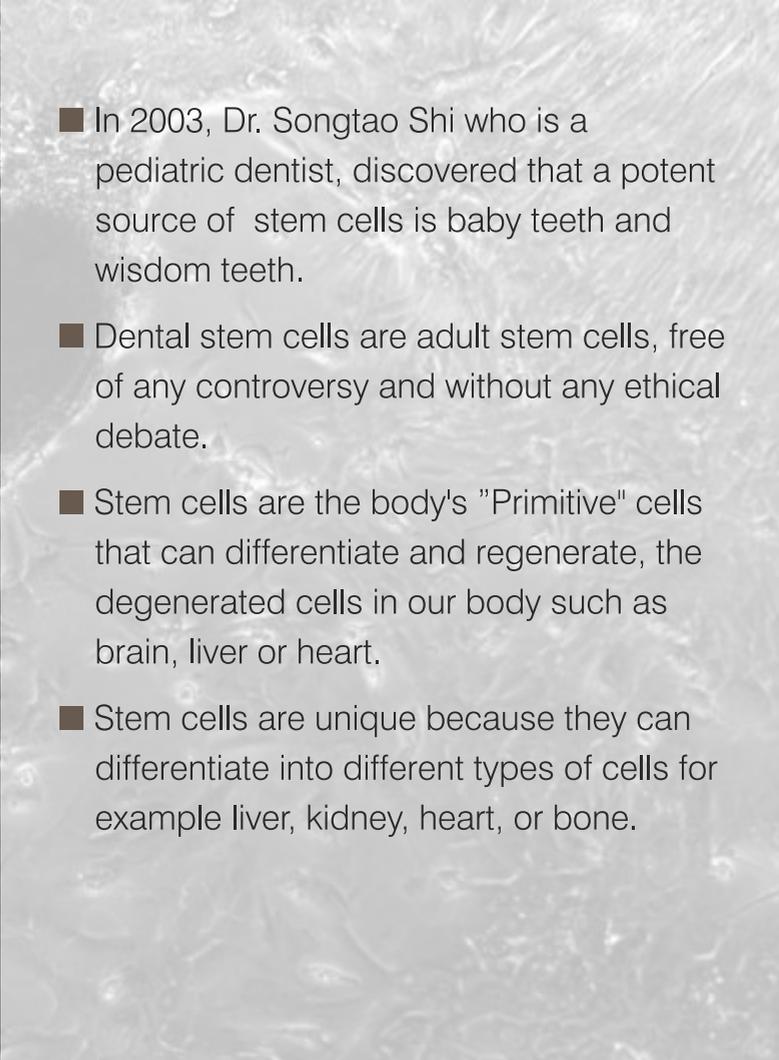
The Stem Plus Cryopreservation Pvt. Ltd. is dedicated to advancing stem cell research from the laboratory to the clinic.

The promise of stem cell research is encouraging and we insure our baby's future with it.



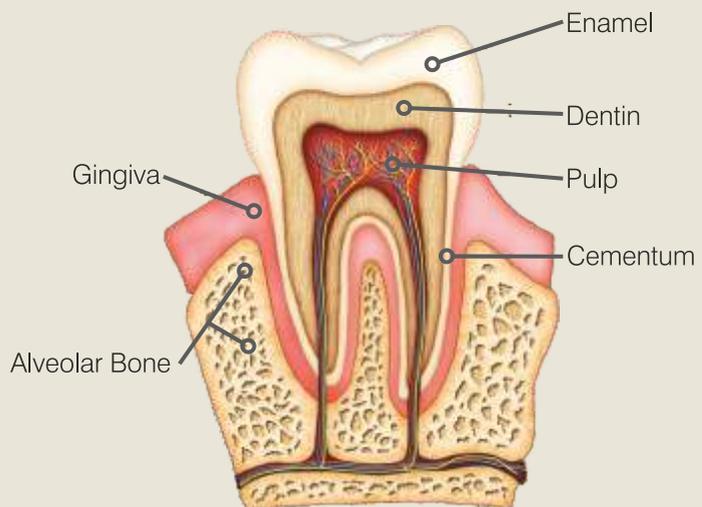


- In 2003, Dr. Songtao Shi who is a pediatric dentist, discovered that a potent source of stem cells is baby teeth and wisdom teeth.
- Dental stem cells are adult stem cells, free of any controversy and without any ethical debate.
- Stem cells are the body's "Primitive" cells that can differentiate and regenerate, the degenerated cells in our body such as brain, liver or heart.
- Stem cells are unique because they can differentiate into different types of cells for example liver, kidney, heart, or bone.



Dental stem cells sources

- Dental pulp stem cells (DPSCs)
- Stem cells from exfoliated deciduous teeth (SHED)
- Periodontal ligament stem cells (PDLSCs)
- Stem cells from apical papilla (SCAP)
- Dental follicle progenitor cells (DFPCs)



Tooth Anatomy



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 the Sangli-Miraj-Kupwad Municipal corporation, Department of Health. DCGI approval is applied.

Stem Plus Cryopreservation is operated 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 (Xenofree). Non-human animal products are not used.

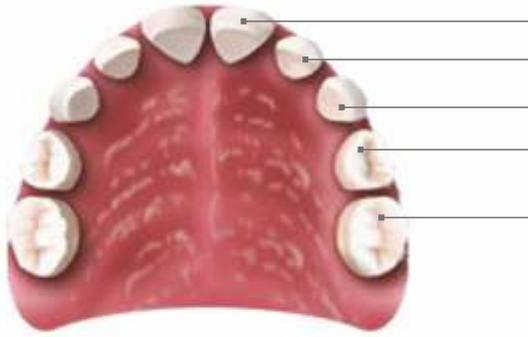
Storage Temperature

After processing, cells should be stored within a temperature of minus - 196° c. Cells are stored continuously a liquid nitrogen tank equipped with an audible alarm. A backup system is in place in the event of unexpected failures.

Length of Storage

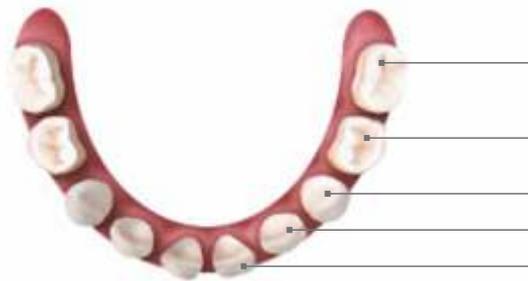
The cells can be stored at minus - 196° c for indefinite time. Therefore, there is no expiration date need be assigned to cord blood stored in liquid nitrogen. Cord Blood unit is available for Life time. Your child's cord blood will remain safely cryopreserved in our laboratories.

Primary Teeth Eruption (Milk Teeth)



Upper Teeth

- Central Incisor
- Lateral Incisor
- Canine
- First Molar
- Second Molar



Lower Teeth

- Second Molar
- First Molar
- Canine
- Lateral Incisor
- Central Incisor

Eruption

- 8 - 12 Months
- 9 - 13 Months
- 16 - 22 Months
- 13 - 19 Months
- 25 - 33 Months
- 23 - 31 Months
- 14 - 18 Months
- 17 - 23 Months
- 10 - 16 Months
- 6 - 10 Months

Preserve Your tooth, which might save your life in future.



Dental Clinic

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.

Dental 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. Diabetes

6. Eye Disorders

7. Anti-ageing & Skin regeneration

8. Tissue Engineering

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

Patient enrolment steps



Enrollment

Upon enrollment, Stem Plus Cryopreservation's representative will be in contact with you to assist you with dental stem cell banking. Soon after enrollment you will receive the Information / Collection Kit.



Collection of Teeth

Extracted teeth provide the best opportunity for recovering healthy dental pulp. The collection kit will include detailed instructions for you and your dentist. After extraction of teeth, immediately place the tooth in the collection tube.



Contact Us

After secure packaging of extracted tooth notify us as soon as possible, and we will immediately pick up your collection kit.



Lab Procedure

We will immediately begin the processing and cryopreservation of your tooth. You will receive comprehensive laboratory results (viability, sterility and total cell count) of your stem cells.

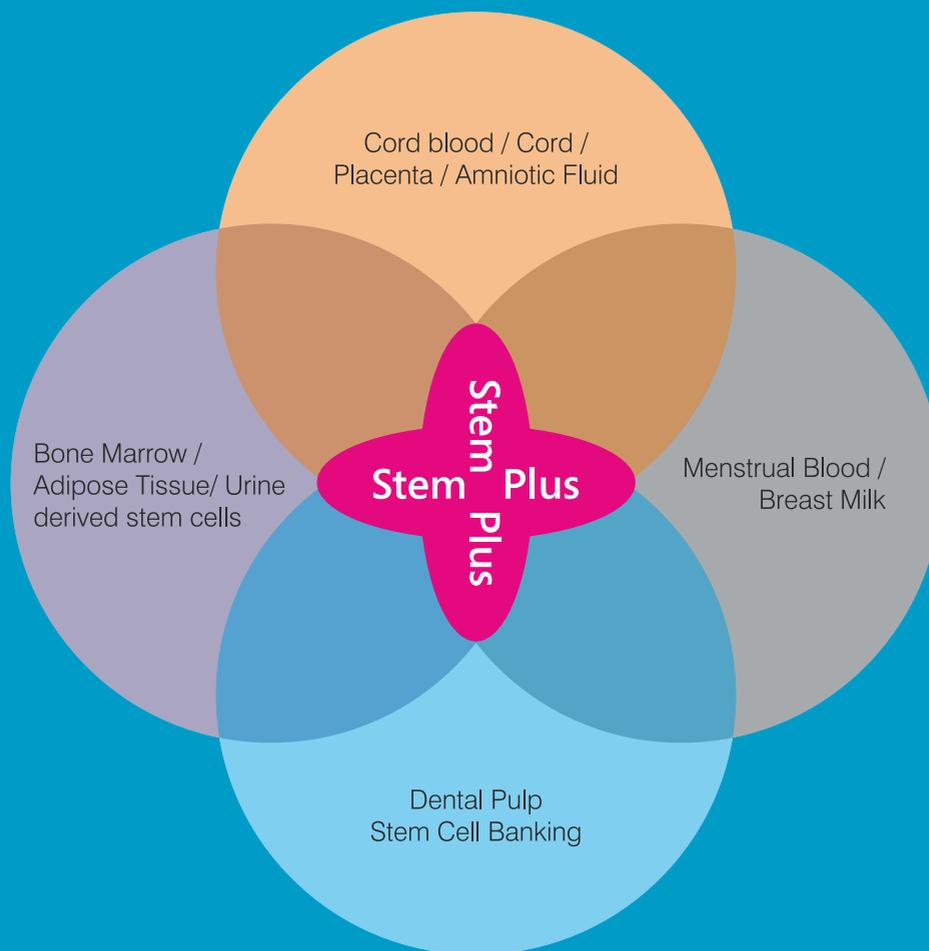
Pricing

Payment & pricing options	Dental Gold + (10 x 10 ⁶ DPCs)
Registration Fee	₹ 5,000/-
Processing Fee	₹ 40,000/-
Annual Maintenance / Year	₹ 2,000/-

Dear Client

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

Stem Plus Cryopreservation working on stem cell banking for future clinical applications



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

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