

Frequent Questions and Answers

Why Choose Boston Stem Cell Center? BSCC cooperated with professors and doctors of Boston Area Universities remains at the forefront of stem cell study, which is one of the best centers in R&D and bank of stem cells in the world. 30 years ago, we established our cell and tissue bank. Our tissue bank is now capacity of acceptance and store of 200,000 new patients' samples from around the world. Researchers at BSCC are the most experienced scientists in cell biology and preservation of cells, tissues and organs. BSCC serves our customers with the highest quality of stored stem cells and take the low fee as compared to other tissue banks.

Why Store Cord Blood Stem Cells Is So Vital? Cord blood stem cells can be an alternative for bone marrow transplants for treating >30 diseases. **(1)** Cord blood stem cells can be used as autologous backup of hematopoietic system, immune system and vital organs. Therefore, banking child's cord blood stem cells seems to take a "biological insurance of life". **(2)** Child's cord blood stem cells may be shared with family sibling because there are 1/4 identical HLA-typing between sister and brother. **(3)** Autologous stem cells are immediately available when child's health condition is needed.

Should I Store Cord Blood For My Own Family? Yes. "I think that storage of cord blood is something every family should think of," said Prof. David Harris. Scientists expect that within five years, stem cells will be used for repairing damaged blood vessels in heart and stroke patients, repairing brain tissue in Parkinson's disease patients, and replacing pancreatic cells in diabetic patients. According to the published data, children by age 18, one in 1,500 may have solid tumors, one in 2,800 may occur acute leukemia, one in 6,000 may suffer from lymphoma, and one in 16,000 may undergo bone marrow failure, which may need treatment with stem cell transplantation.

Cord Blood Collection Is Painless For Child and Mother. Cord blood can be collected regardless of the birthing manner, naturally or by cesarean section. The entire process is painless for mother and child.

Quality Assurance. An identification number of your child's cord blood sample in the tissue bank will be assigned and child's data is filed into a computerized system. Stem cells are protected with a cell protectant and stored in liquid nitrogen at -196°C. The tissue bank is secured with alarm and automatic irrigation systems (see our high-tech laboratory facilities at our website). According to the published scientific data, the effective cryo-preservation period of cells is unlimited.

Bank Cord Blood Stem Cells is Once in A Lifetime Opportunity



RedSun Institution is at the forefront of sciences in R&D of stem cells. The above photos show that 2 types of cord blood collectors were invented at RedSun, that allow our staff to collect the twice volume of cord bloods as other cord blood banks.

Registration 5 Steps

STEP-1. Contact your private OB/GY doctor about Boston Stem Cell Center what benefits you will have. The Registration, Agreement and Payment sheets can be downloaded from our website at www.redsun-redsun.com or obtained from your doctor's office.

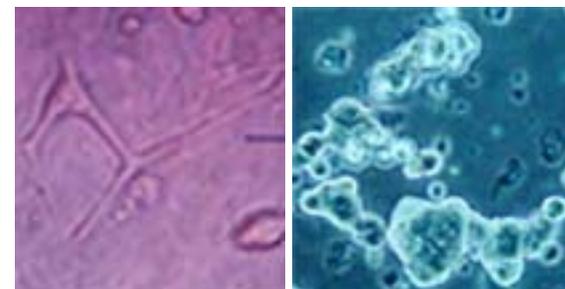
STEP-2. Fill Out 3-Page Registration and Payment Sheets and send them back to RedSun Institution in USA.

STEP-3. You Will Receive The Cord Blood Collection Kit from us in 3 to 5 business days after we have received the registration and payment sheets from you.

STEP-4. Bring The Cord Blood Collection Kit To The Hospital and pass it to your obstetric doctor or nurse when you go to hospital for deliver of your child.

STEP-5. Send Cord Blood To RedSun Institution Through **Overnight Express Mail.** Address: RedSun Institution Office, 285 Dorchester St., Suite 1, South Boston, Boston, MA 02127, USA.

A final report in writing on your child's cord blood stem cells, including **1)** Identification number of the child's cord blood stem cell sample in the tissue bank; **2)** Total number of nucleated cells; **3)** Number of CD34+ stem cells; **4)** Percentage of cell viability, and **5)** The result of bacterial culture of the stored cord blood sample, will be sent to your home address for the (child's) physician's reference data for future use.



Researchers at RedSun Institution are performing high level of studies on stem cells. The red photo (left) shows a CD34+ stem cell which has been developed into heart muscle cell with beating, and the blue photo (right) shows stem cells have been developed into insulin-producing cells in our labs. Both may be used in treatment of heart and diabetic diseases.



Stem Cell Bank at RedSun Institution is one of the best tissue banks in the world, that is secured with alarm system and automatic irrigator system of liquid nitrogen.