

# CORD BLOOD BANKING SERVICES



## A new life A safer tomorrow

How Cord Blood Banking can play an important role in your family's future health.

 Accredited



**Speak to us at 8339 8482 (24-hour)**  
[www.cryoviva.com.sg](http://www.cryoviva.com.sg)

# Why Cryoviva?

Established in early 2014, Cryoviva Singapore has successfully stored many samples of local and expat clients, and is managed and maintained by a team of experts. We have an extensive list of happy parents who have trusted our services and stored their baby's cord blood with us.

Cryoviva affiliated companies have stable and certified operations in umbilical cord stem cell banking in India and Thailand. As a group, Cryoviva has more than **160,000** cord blood units stored in our regional facilities.

Our lab is licensed by the Ministry of Health (MOH) that demonstrates stringent processes and quality standards to ensure each sample is handled and processed with utmost care.

Additionally, we are an AABB accredited cord blood and somatic cells' banking service. We are proud to be the first family cord blood bank in Singapore to be AABB accredited for Somatic Cells' processing

Our facility is centrally located in Singapore, ensuring the collected cord blood specimen from maternity hospitals reaches our processing facility promptly.

## Total VIVA Protection Program

### A Strong Safety Net

We offer a comprehensive suite of protection benefits that ensure your needs will always be well met.

#### **VIVA Secure**

To assure you that your family's future health is in the hands of a specialist, your baby's cord blood is processed and stored by an experienced technical team in our Ministry of Health (MOH) licensed facility.

#### **VIVA Pure**

At Cryoviva Singapore, we are equipped with enhanced technologies such as the **AXP® II System** for processing of cord blood samples. This ensures quality in sample processing and results in the higher yield of cell count and viability, resulting in desirable Cord Blood Transplant Outcomes.



#### **VIVA Match**

In the event of a Hematopoietic Stem Cell (HSC) transplant, we will foot the bill for the tests that ensures the suitability of the cryopreserved cord blood unit for the patient. This essentially includes Human Leukocyte Antigen (HLA) match and viable CD 34+ cells (HSC).

#### **VIVA Safety**

If the cord blood unit stored is not found viable for a transplant, we will facilitate to arrange the closest available matched cord blood unit or S\$50,000 to meet costs of obtaining a matched sample.

#### **VIVA Support**

We understand that the circumstances for your family may change and we are ready to work with you to accommodate these changes. Should either you or your spouse pass away or suffer from partial or total permanent disability, future contract payments will be waived.

#### **VIVA Restore/Restore Plus**

In the event you need to use a stored cord blood sample for transplant for your baby or immediate family member, we will give a 100% refund of the cord blood package price you have paid (incl. of GST).

#### **ENHANCED VIVA Global Transfer**

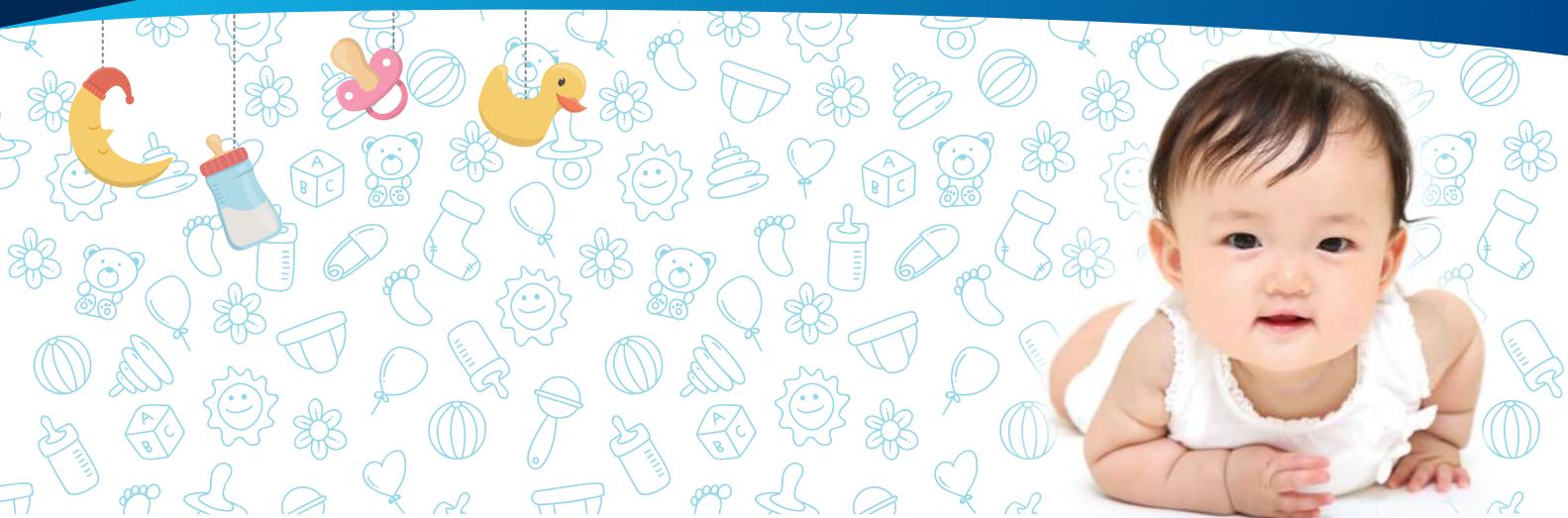
If you ever need to use the stored cord blood sample for a future transplant, we will cover the sample transfer cost to any location worldwide, within the contracted period (21 years).

#### **VIVA Treatment Assistance**

IN the event a child's specimen is required for an autologous hematopoietic stem cell transplant, Cryoviva understands that financial hardships may arise; in which we will provide the client up to S\$50,000 to offset transplant expenses. Assurance of VIVA Treatment Assistance remains valid provided the conditions are satisfied as mentioned in the Cryoviva Cord Blood Client Service Agreement.

# 5 Reasons

## Why you should save your baby's Cord Blood with Cryoviva



-  1. It can be used in the treatment of **more than 80 diseases\***.
-  2. Can be used for **your baby and family**.
-  3. **Readily available for you.** When the need arises, you save time trying to find a suitable match.
-  4. **Rich source of stem cells that have a higher potential** for regeneration than adult bone marrow stem cells.
-  5. You can use **Child Development Account** to cover the package.

\*Subject to conditions

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Scan the QR code for a **complimentary consultation** and to know more about saving your baby's **precious Cord Blood with us**.



# The Value of Your Umbilical Cord

**Every child deserves the gift of protection.**

The moment your baby enters the world is also the moment when a simple step may help to protect his/her health, and the health of your family, in the years ahead.

During your pregnancy, your baby is connected to the placenta via the umbilical cord, supplying him/her with oxygenated, nutrient-rich blood. It can continue to play a crucial role after birth, thanks to the unique biology of the blood found within the umbilical cord.

# Stem Cells Made Possible

The blood from the placental side of umbilical cord is rich in Hematopoietic Stem Cells (HSCs). **Stem cells have the unique ability to transform into specialised cells and are able to perpetually create more copies of themselves.**

The Hematopoietic Stem Cells (HSCs) found in cord blood have a higher potential for regeneration than adult bone marrow stem cells. This specialised cells can be used to help treat various diseases related to blood and immune system. Cord blood is currently used in stem cell transplant to treat malignant and non-malignant conditions in children and adults, especially related to blood and immune system.

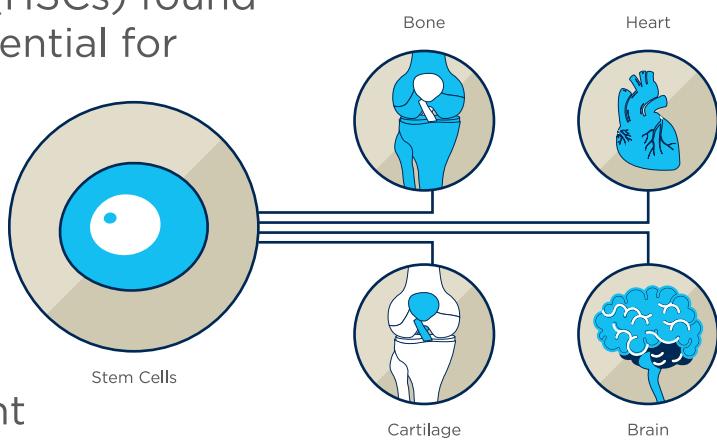


Illustration of stem cells is for information and educational purpose only.

More than  
**80**  
diseases\*

**Cord blood is currently used in the treatment of around 80 diseases, including different types of Leukemia, Lymphoma, and Anemia.**

Cord blood stem cells can potentially be used for a spectrum of diseases for which research is being done, searching for effective therapy. Such non-hematological conditions include Cerebral Palsy, Autism, Diabetes, regenerative cell therapy, and immune modulation related conditions.

**Disclaimer:** Storage of cord blood stem cells does not mean guaranteed cure. Many aspects of the usage of cord blood stem cells are still under clinical research. Please consult your physician for more details.

# Cryoviva Cord Blood Banking Steps

## Step-by-Step Guide

1



**Cord blood can only be collected at the time of birth. The process is quick and perfectly safe for both mother and baby.** Although expectant parents can secure the opportunity to store their baby's cord blood anytime during pregnancy, the decision-making process falls ideally between your second and third trimester, starting as early as 20 weeks, and preferably before 34 weeks.

2



**To help you in your decision making process, our friendly advisor will be happy to provide a private consultation at your convenience.**

This sharing session will allow you to understand better about Cord Blood Banking and clarify any concerns you may have.

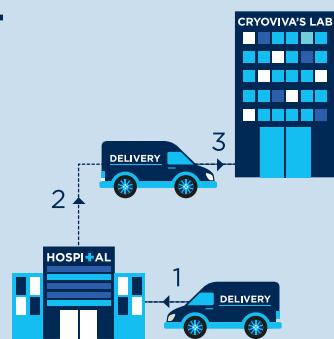
3



**After deciding to store your baby's cord blood, inform your Gynaecologist about your plan. The Cryoviva Collection Kit will be delivered to you about 6 weeks prior to your Expected Due Date (EDD).**

Please keep it at room temperature in a cool dry place, and away from direct sunlight. On the day of delivery, simply bring along your Collection Kit and pass it to the delivery suite staff. Rest assured that medical professionals are trained to collect cord blood during labour, all you have to do is focus on giving birth.

4



**Once you have delivered, please contact us to collect your baby's Cord Blood Kit Box. The cord blood usually reaches our laboratory within 24 hours.**

Our lab facility is licensed by the Ministry of Health (MOH).

To process the cord blood, we use **AXP® II System** which is used by distinguished private and public cord blood banks worldwide. It enables a higher yield of stem cells from the cord blood sample. Maternal blood shall be collected for infectious disease screening within 7 days of delivery.

5



**You will be notified once we have received your baby's cord blood.** The cord blood and maternal blood will be tested for qualifying tests for various infections. After successful storage, we will send you an official medical storage report.

# Did you know?

## Your baby's Umbilical Cord is a valuable resource of Stem Cells



	Cord Blood	Bone Marrow
Collection	<b>Simple, safe and painless</b>	An invasive & painful procedure with at least 4-6 months of preparation required
Availability of stem cells for transplantation	<b>Immediately, once stored</b>	Difficult to find a perfect match
Matching criteria for transplantation	<b>3/6 or 4/6</b>	6/6
Age of stem cells	<b>0</b>	Same age as the donor
Stem cells concentration	<b>Highest HSCs (Hematopoietic Stem Cells)</b>	Lower HSCs (Hematopoietic Stem Cells)



**Cord Blood**  
can be used in the treatment of more than 80 diseases\*

**Cord Tissue**  
MSCs can help increase the success rate of HSC transplants and minimise Graft-Versus-Host-Disease (GVHD)\*

**Disclaimer:** 1. The storage of Cord Blood Stem Cells does not mean guaranteed cure. Many aspects of the usage of cord blood stem cells are still under clinical research. 2. The clinical applications of Cord Tissue derived Stem Cells is currently under active research, and under different phases of clinical trials around the globe. However, it has been granted in Singapore as a Standard Clinical Practice. 3. The umbilical Cord Tissue Banking program is not licensed/certified by Ministry of Health. 4. The clients interested in storing the Umbilical Cord Tissue of their baby as a precious resource of prenatal tissue, are subject to the clear understanding that stored tissue may never be used for any clinical application until there is enough evidence and approved by local authorities and regulatory guidelines during the time of usage for clinical or research purpose. 5. This service does not endorse or insure any possible current or future use of disease cure.

**Reference:** 1. Imran Ullah, Raghavendra Subbarao, and Gyu Jin Rho. Human mesenchymal stem cells - current trends and future prospective. *Biosci Rep.* 2015; 35(2). 2. Singh Lipi et al. (2016) A Text Book on Laboratory and Clinical Transfusion Medicine. 2016; Volume 3: Good Clinical Transfusion Practices: Chapter 13: Stem Cell Application and Regulations (Nova Science Publishers). 3. First in West: MSC from Cord Tissue used to treat Graft-versus-Host-Disease. (2014). Retrieved on 28th May, 2018, from: <https://parentsguidecordblood.org/en/news/first-west-msc-cord-tissue-used-treat-graft-versus-host-disease>. 4. Cotransplantation of umbilical cord-derived mesenchymal stem cells promote hematopoietic engraftment in cord blood transplantation: a pilot study. (2013). Retrieved on 28th May, 2018, from <https://www.ncbi.nlm.nih.gov/pubmed/23274973?report=abstract>

# Your decision today may save a life tomorrow

Our main priority is to ensure every family has a choice of informed decision, and a chance to store their baby's cord blood.

The use of Hematopoietic Stem Cells (HSCs) is already well-established in the treatment of blood-related diseases, and researchers are still working to unlock the full potential of these cells. They could even have possible applications in the treatment of non-blood related diseases, in future.

As such, we want to ensure that every family has a chance to store their baby's cord blood by offering this service at an affordable price point. Much like saving for a rainy day, this is a way to secure peace of mind for you and your loved ones.

Convenient payment modes and installment plans are available.

## Find out more at:

 8339 8482 (24-hour)

 [enquiry@cryoviva.com.sg](mailto:enquiry@cryoviva.com.sg)

 [www.cryoviva.com.sg](http://www.cryoviva.com.sg)

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### CRYOVIVA SERVICE COUNTERS

**Thomson Medical Centre (Hospital)**  
339 Thomson Road Singapore 307677  
Mon-Fri: 9am-5pm | Sat: 9am-1pm  
Sunday & Public Holiday – Closed

**Paragon Medical Centre**  
290 Orchard Road  
#19-01 (Access via Lift Lobby F)  
Singapore 238859  
Mon-Fri: 8.30am-5pm | Sat: 8.30am-1.30pm  
Sunday & Public Holiday – Closed

### Cryoviva Singapore Pte Ltd

37 Jalan Pemimpin, #01- 06 Mapex Singapore 577177

Tel: (65) 6737 8482

### Cryoviva (Singapore) Laboratory Services (Unit-2)

37 Jalan Pemimpin, #03-05/06 Mapex, Singapore 577177

Tel: (65) 6813 4377