

°cryosite

Australia's **Family** Cord Blood Bank

Family* Cord Blood Banking

Important information
for expecting parents



* "Family Cord Blood Banking" means your baby's cord blood can be stored for themselves and other compatible siblings and family members.

TGA Licence Number - MI-18072008-LI-002488-11

Why you should Bank your baby's Cord Blood



Cord Blood is the blood that remains in the placenta and umbilical cord following birth. It contains a mixture of many types of cells, including stem cells, which are the 'building blocks' of all other cells in the body. Cord blood also contains haematopoietic stem cells (HSC's) which have the ability to develop into all types of human blood cells.

During pregnancy, cord blood becomes a rich source of blood (haematopoietic) stem cells, which can be collected, processed and cryopreserved for potential future use⁽¹⁾. The current approved uses of cord blood stem cells are similar to those of adult bone marrow and are currently used to treat diseases and conditions of the blood or to restore the blood system after treatment for specific cancers⁽²⁾.

The future potential use of cord blood stem cells in regenerative medicine, which is the repair of diseased and damaged tissue, is the subject of much current international research. Human clinical trials have commenced using cord blood to experimentally treat diseases including cerebral palsy and brain injury⁽³⁾. Visit our website for more information.

Cord blood stem cells differ from other types of adult stem cells. They are biologically younger and have unique qualities and advantages compared to other sources of adult stem cell such as bone marrow:

- Less risk when used in transplants⁽⁴⁾.
- They are immediately available, and early treatment can minimise disease progression⁽⁵⁾.
- A complication of bone marrow haematopoietic stem cell transplants is graft versus host disease where the donor's stem cells attack the patient's tissues. Because cord blood stem cells are collected before the immune system is matured, the risk is much lower than with other adult stem cells. For autologous use (where a child's cord blood has been banked for their own use) this risk is eliminated.
- Freezing them "stops the clock" and protects them from environmental damage (such as radiation, chemicals), age, and viruses that would otherwise impact adult stem cells in our bodies over time⁽⁶⁾.
- Collection of cord blood is quick, safe, and painless.

References: **1.** Broxmeyer H.E. Cord blood hematopoietic stem cell transplantation. The Stem Cell Book (2011), Harvard Stem Cell Institute. www.stembook.org **2.** New York Blood Centre (2011) www.nationalcordbloodprogram.org/qa/what_is_treated **3.** Harris D.T. Non-haematological uses of cord blood stem cells. British Journal of Haematology, 2009; (147): 177-184 **4.** Rocha V, Wagner JE, Jr., Sobocinski KA, et al. Graft-versus-host disease in children who have received a cord-blood or bone marrow transplant from an HLA-identical sibling. Eurocord and International Bone Marrow Transplant Registry Working Committee on Alternative Donor and Stem Cell Sources. N Engl J Med. 2000; 342 (25):1846 - 1854. **5.** Pazdur R, et al. Cancer management: a multidisciplinary approach. 1998. Second edition. **6.** Behzad-Behbahani A, Pouransari R, Tabei SZ, et al. Risk of viral transmission via bone marrow progenitor cells versus umbilical cord blood hematopoietic stem cells in bone marrow transplantation. Transplant Proc. 2005; 37 (7): 3211 - 3212.



Family Cord Blood Banking in Australia is only available through Cryosite

Cryosite pioneered private “autologous” cord blood stem cell banking in Australia in 2002. Autologous means that your child’s cord blood could only be stored to treat themselves. **Cryosite is now proud to announce that it has been fully licensed by the Therapeutic Goods Administration (TGA) to also provide a Family Cord Blood Banking service for Australian families.** Family banking (also called “directed allogeneic”) means your child’s cord blood can also be stored to treat other compatible family members.

“Family Cord Blood Banking” represents a significant new era in cord blood banking in Australia and greatly extends the potential uses for your child’s cord blood.

Family Cord Blood Banking is only available through Cryosite. Cryosite is Australia’s only Family Cord Blood Bank. This means that Cryosite is the only private cord blood bank licensed to release your child’s cord blood to treat other compatible family members.

Cryosite does not charge any additional fees for family cord blood banking.

Our 3 step process

Arranging for the collection of your child’s cord blood is an easy and hassle free process with Cryosite.

1. Complete the Cryosite Cord Blood Storage Agreement which you can download at www.cordblood.cryosite.com or call us **1800 220 410**.
2. You will receive a Cryosite Cord Blood Collection kit approximately 4 weeks before your due date.
3. Bring your Collection Kit with you to the hospital for the birth of your child. The cord blood and maternal samples are collected by your obstetrician at the time of birth and sealed in a temperature validated and monitored shipping container.

You or your partner then notifies our specialist medical courier who is on call 24 hours a day, 7 days a week, 365 days a year by calling 1800 230 410. You (or a family member) need to sign a packing slip and consignment note for the courier, releasing the sample for shipment to Cryosite. **We will then take care of the rest!**

Not all Cord Blood Banks are equal

For less than the cost of a cup of coffee a week you can save your child's cord blood stem cells for 18 years.

When you are making a decision as important as saving your child's cord blood, it is vital that you know about the company that you are dealing with. You need to be assured not only that the company has the necessary expertise to maintain the viability of your child's stem cells for the next 18 years, but that the company itself will be there when you need them.



By choosing Cryosite, you have the confidence that comes with knowing your child's cord blood is banked with the company that pioneered, and remains at the forefront, of private cord blood banking in Australia.

- ✓ Cryosite is Australia's only **Family Cord Blood Bank**
- ✓ Cryosite was the first to offer Australian parents private cord blood banking in **2002**
- ✓ Cryosite was the first to be awarded **full regulatory approvals and licenses⁽¹⁾**.
- ✓ Cryosite has owned and operated its **own fully licensed cord blood laboratories since 2002**
- ✓ Cryosite is the only cord blood bank who can provide **full clean room processing** for your child's cord blood
- ✓ Cryosite is the **only cord blood bank publically listed on the ASX** and therefore makes its financial position available for public scrutiny⁽³⁾.
- ✓ Cryosite is the **only private cord blood bank to achieve NATA accreditation (AS ISO15189:2009)**

Cryosite is the only Australian Cord Blood Bank licensed to allow the immediate release of your child's stem cells to treat any compatible family member. This means that your baby's cord blood could be stored for compatible siblings and family members, making the service even more valuable for your family's future health⁽²⁾.

For more on Cryosite, private banking and the costs - visit our informative website at www.cordblood.cryosite.com

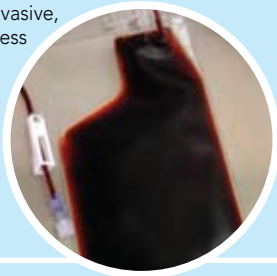
References: **1.** TGA Licence Number - MI-18072008-LI-002488-11 **2.** Nietfeld JJ, et al. Lifetime probabilities of hemtopoietic stem cell transplantation in the U.S. Biol Blood Marrow Transplant. Mar 2008; 14 (3): 316-322. **3.** ASX code: CTE.

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The Cryosite Cord Blood Journey

1. Collection

Cord Blood is collected immediately after the birth of your baby using Cryosites Cord Blood Collection Kit. The collection process is non-invasive, completely painless and takes only a few minutes to complete. A maternal blood sample is also required for infectious disease testing.

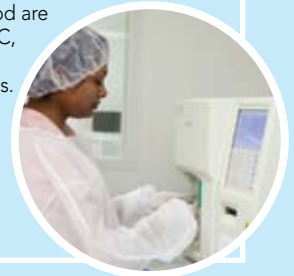


2. Shipping

The Cord Blood, samples and forms are then sealed in a validated temperature-monitored shipping container. You or your partner then contacts our specialist biomedical courier at 1800 230 410 who is on call 24/7, 365 a days a year. The cord blood shipper can safely remain at room temperature until the courier arrives. The courier will ask you or a family member to sign a packing slip, releasing the cord blood for shipment (by air if interstate or international) to our laboratories for processing, testing and cryopreservation at minus 180°C for long term storage.

3. Testing

Our laboratory scientists receive and process cord blood collections every day of the year. Samples of the umbilical cord and mother's blood are analysed for TNCC, CD34+ count and infectious diseases.



4. Centrifugation

The cord blood is centrifuged to separate the precious stem cells from mature blood cells and plasma.



5. Fractionation

The stem cell fraction of the cord blood is purified and concentrated.



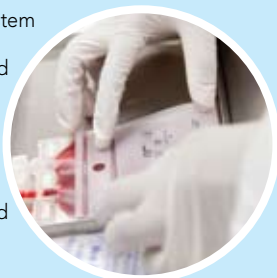
6. Cryopreservation

Cord blood stem cells are prepared for cryogenic storage by the addition of cryopreservant solution.



7. Freezing

The cord blood stem cells are frozen using a controlled rate freezing method that ensures that the stem cells are protected from damage and remain viable for future use.



8. Storage

The frozen cord blood unit is stored in vapour phase liquid nitrogen at almost -200°C. At this temperature, the cells enter a state of suspended animation.



9. Release for use

The cord blood stem cells are prepared and shipped to transplant centres anywhere in the world in a Cryosite CryoShipper, whenever they are needed for transfusion.



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1800 220 410

www.cordblood.cryosite.com

Real families, real stories



Emily Reid, Ryde NSW

"We chose to store our baby Hugo's cord blood with Cryosite because of the smooth and easy process we encountered with them when we stored our first baby's cord blood with them two years ago. Once the forms were complete, everything was taken care of by Cryosite and all we had to do was remember to take the box to hospital and call the courier once our baby was born!"

"With all of the current medical research, trials and treatments involving stem cells we felt that it was a small but extremely important step that we could take to extending the possibilities of health for our babies for years to come."



Rasa Blansjaar, Kensington VIC

"Cryosite provided a detailed contract and instructions on the required steps to have our baby's cord blood stored. Once we had signed the contract, we received the Cryosite collection kit. We were impressed with the customer service level provided by both the delivery and the collection (after the birth) of the kit. The couriers were flexible and asked for delivery times and dates that suited us. Likewise, for the collection, they arrived promptly and were polite and considerate."

"Since then we have received notification that our baby's cord blood has been successfully frozen. It is genuine peace of mind to know that this has now been done. We hope, of course, that our daughter never needs to access the cord blood and when she turns 18, she can choose to keep it frozen."

"Overall, we have been very satisfied with the service we received from Cryosite."



Geraldine Rielly, Balmoral QLD

"I decided to store my baby's cord blood with Cryosite, not just for the friendly service but peace of mind for my baby's future. Storing this blood serves as a type of insurance. By storing with Cryosite, it provides me with peace of mind that this valuable resource is there if I need it. This is my security knowing that there is a viable option to overcome life threatening diseases like treating various cancers and blood disorders."

"I would call on all future parents to consider storing their baby's cord blood as today's miracles will become tomorrow's routine treatment. Imagine the possibilities."

Visit our website for more testimonials

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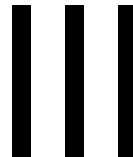
1800 220 410

Choose **Family***
Cord Blood
banking, and have
the option to treat
compatible family
members!



Delivery Address:
P O Box 324
Granville NSW 2142

No stamp required
if posted in Australia



Cryosite Limited
Reply Paid 324
GRANVILLE NSW 2142

Start your **Journey** today...

Yes, I would like to receive more information about Family Cord Blood banking

Please select one of the following:

email fax mail phone

Name _____

Address _____

Obstetrician _____ Due date _____

Tel (b/h) _____ Fax _____

Email _____



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