



Inspection Lifebank

CANADA'S #1 CORD BLOOD PROGRAM

20th
Anniversary



Discover the Power of **Cord Blood** and **Cord Tissue** Stem Cells

Why Inspection Lifebank?

We are Canada's Leading Cord Blood Program

- Offers **Cord Blood** and **Cord Tissue** banking
- Available at **ALL** Canadian hospitals and home births
- Released more cord blood units than all Canadian cord blood banks combined
- 100% successful release rate of cord blood units
- Achieved highest level of voluntary accreditation (AABB and FACT)

Cord Blood Stem Cells are Being Used Today!

Today, cord blood stem cells can be used in the treatment of over 80 diseases.¹ Emerging research is expanding the list of diseases and conditions that may be treatable with cord blood, including autism, cerebral palsy, stroke, diabetes and spinal cord injury.¹

1. <https://clinicaltrials.gov>

Cord Blood Bank Comparison

Overview of Cord Blood Programs in Canada

Criteria	Inception Lifebank	Cells for Life	Progenics	Healthcord	Create	Clinique OVO	Cord Blood Bank of Canada	Canadian Cord Blood Registry
Service								
Cord Blood	✓	✓	✓	✓	✓	✓	✓	✓
Cord Tissue	✓	✓	X	X	✓	✓	✓	X
Experience								
Number of Units Stored	68,000	42,000	16,500	10,000	8,000	?	?	?
Hospital Partnerships								
Trusted Partner with Key Hospitals								
Service Available at ALL Canadian Hospitals and Home Births	 	X	X	X	X	X	X	X
Voluntary Regulatory Accreditations								
FACT	✓	✓	X	X	X	X	X	X
AABB	✓	✓	✓	✓	✓	✓	X	X
Quality of Service								
Dedicated Medical Courier Across Canada - 1 Call Away	✓	✓	✓	X	X	✓	?	?
On-Site Storage Facility	✓	X	✓	✓	✓	✓	X	X
Cord Blood Price								
Total First Year Fees	\$1,125	\$1,100	\$1,005	\$950	\$925	\$1,100	\$1,100	\$970
Annual Storage Fees	\$125	\$125	\$125	\$125	\$115	\$130	\$125	\$110
Cord Blood + Cord Tissue Price								
Total First Year Fees	\$1,825	\$1,925	X	X	\$1,570	\$2,200	\$1,825	X
Annual Storage Fees	\$225	\$250	X	X	\$210	\$220	\$250	X
Locations								
	Burnaby Calgary Mississauga Ottawa Toronto Montréal	Markham Toronto Montréal Calgary	Toronto	Toronto Vancouver Calgary	Toronto	Montréal	Markham	Edmonton

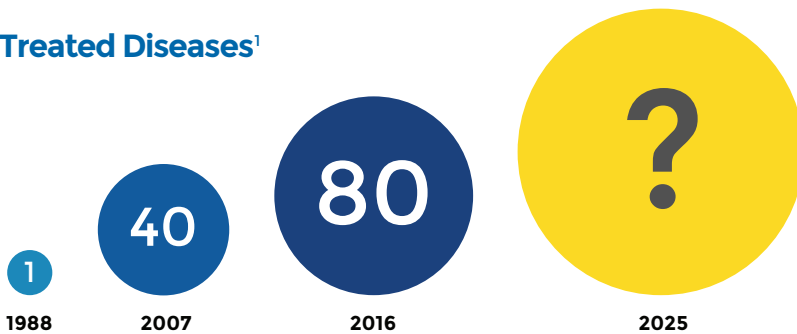
The Power of Cord Blood

Cord blood stem cells have the unique ability to mature and develop into all types of blood cells. They can be used for transplantation in place of bone marrow in the treatment of over 80 diseases, including cancers, genetic diseases, immune deficiencies and blood disorders.¹

Your baby's cord blood stem cells are a perfect match for him or her and may also be a suitable match for a family member.

Emerging research is expanding the list of diseases and conditions that may be treatable with cord blood, including autism, cerebral palsy, stroke, diabetes and spinal cord injury.³ Imagine what may be treated in 25 years!

Treated Diseases¹



Delay or Collect? You Don't Have to Choose!

You don't have to choose between either delayed cord clamping **OR** collecting cord blood and cord tissue. The fact is you can do both. Please speak to your healthcare provider about your options.

Cord Tissue Banking

Expectant parents can now bank a segment of their baby's umbilical cord, which is a rich source of mesenchymal stem cells (**MSCs**) that may have future potential to help repair and heal the body. The **MSCs** from cord tissue are different from the stem cells in your baby's cord blood.⁶

Clinical trials have been initiated to investigate the potential of **MSCs** from several different tissues in a variety of therapeutic areas, including:³

- + Heart Failure
- + Stroke
- + Rheumatoid Arthritis
- + Multiple Sclerosis
- + Alzheimer's Disease
- + Crohn's Disease
- + Liver Disease
- + Osteoarthritis

Although scientists are optimistic that new cutting-edge therapies will result from cord tissue research, the application of cord tissue **MSCs** is in the early stage of clinical development.

Should I Save My Baby's Cord Blood and Cord Tissue?

CORD BLOOD

What is cord blood?

Cord blood is the blood that remains behind in the placenta and umbilical cord after the birth of a baby. It is a rich source of stem cells, notably blood stem cells. Cord blood can be collected shortly after delivery. It is a painless and risk-free procedure that your healthcare provider can perform. Cord blood stem cells have the unique ability to mature and develop into all types of blood cells. They can be used for transplantation in place of bone marrow in the treatment of over 80 diseases including cancers, genetic diseases, immune deficiencies and blood disorders.¹ Cord blood stem cells have been used in more than 30,000 transplants worldwide to date.²

How can cord blood help tomorrow?

Cord blood stem cells have the potential to treat an ever growing list of illnesses. Clinical trials are underway around the world to determine whether cord blood may be useful in the treatment of many diseases including: Autism, Acquired Hearing Loss, Type 1 Diabetes, Cerebral Palsy, Pediatric Brain Injury, Hypoxic-Ischemic Encephalopathy, Metabolic Disorders and Spinal Cord Injury.³

Can I delay the cord clamping if I want to collect cord blood?

Yes, you can do both. Healthcare providers may be able to collect a sufficient volume of cord blood even when practicing delayed cord clamping, depending on the length of time that the cord clamping is delayed. It is best to discuss this option with your healthcare provider. At Inception Lifebank, we review the results of your sample before it is stored, and offer a refund policy if there is not enough to store so that you can feel confident in your decision.

How are cord blood stem cells stored and for how long?

Once processed, the cord blood stem cells are frozen in a controlled rate freezer then placed into long-term liquid nitrogen storage tanks. The stem cells are maintained at temperatures below -150°C . Current literature has reported that cord blood stem cells remain viable for at least 24 years of storage.⁴ Scientists believe they may be stored indefinitely.

Who is choosing to store cord blood?

- ✓ Families who want the security of a treatment option in the event of a medical crisis or scientific advancement
- ✓ Mixed race families who may have more difficulty obtaining a bone marrow match
- ✓ Families with a known family history of illness treatable by stem cells

Who can use the cord blood?

If you store with a family bank, the cord blood stem cells are owned by the family for their exclusive use. These cells are a perfect genetic match for the baby and may also be an acceptable match for family members. Your stored unit can only be released with your written consent.

Will my baby's cord blood ever be needed?

With the ever growing list of potential uses and research, the possibility of your family benefiting from a cord blood stem cell transplant also increases. Cord blood is an acceptable source of stem cells world-wide. Current research shows that there may be up to a 1:200 chance that you or a family member will benefit from a stem cell transplant in your lifetime.⁵

CORD TISSUE

What is cord tissue?

Cord tissue is a segment of your baby's umbilical cord that contains several different cell types, each of which may have future potential for cellular therapy. Cord tissue is valuable because it is a rich source of mesenchymal stem cells (MSCs), which are distinct from the blood stem cells found in your baby's cord blood.⁶

What are the advantages of banking cord tissue?

While the clinical development of cord tissue MSCs is at the early stage, the field of regenerative medicine is advancing steadily. Stem cell research has been the foundation of regenerative medicine, which has the potential to transform medicine. It is estimated that 1 in 3 people may benefit from regenerative medicine in the future.⁷ The optimal conditions to isolate and treat MSCs for clinical use are still being developed. As such, Inception Lifebank stores your baby's **intact** cord tissue, preserving all the cells within it to maximize your family's future health options. Banking cord tissue today may provide future options for your child and your family.

What is the difference between Umbilical Cord Blood Stem Cells and Cord Tissue Stem Cells?

UMBILICAL CORD BLOOD	UMBILICAL CORD TISSUE
Rich source of hematopoietic (blood) stem cells.	Rich source of mesenchymal stem cells.
Hematopoietic stem cells used in bone marrow transplants for 80+ diseases including cancer, genetic diseases and blood disorders. ¹	MSCs can inhibit inflammation, suppress the immune response, aid in tissue repair and differentiate into structural tissue including bone and cartilage. ⁶
Clinical trials are investigating cord blood in the treatment of Autism, Acquired Hearing Loss, Type 1 Diabetes, Cerebral Palsy, Pediatric Brain Injury and Spinal Cord Injury.	Clinical development of cord tissue MSCs is at an early stage. MSCs from several tissues are in clinical trials to investigate treatments for Heart Failure, Stroke, Rheumatoid Arthritis, Multiple Sclerosis and many more. ³

ABOUT FAMILY BANKING

What are the advantages to family banking?

- ✓ Perfect genetic match for your child
- ✓ May be a suitable match for a family member
- ✓ Ongoing medical history of the donor is known to the family
- ✓ Available immediately, if needed
- ✓ Lower chance of transplant rejection
- ✓ Available at all Canadian hospitals and home deliveries
- ✓ Opportunity to participate in emerging clinical trials (i.e. Autism, Cerebral Palsy, Type 1 Diabetes) that require the use of the child's own cord blood.

Can I donate to a public bank?

In 2013, Canadian Blood Services began accepting anonymous donations from women delivering at four hospitals:

- Ottawa - at the Ottawa Hospital General and Civic campuses
- Brampton (Greater Toronto Area) - at the William Osler Health System's Brampton Civic Hospital
- Edmonton - at the Alberta Health Services' Lois Hole Hospital for Women
- Vancouver - at the BC Women's Hospital and Health Centre

Note: If you are delivering at a different hospital, you will not be able to donate to the National Public Cord Bank. Donated units are listed on an international registry and, therefore, may not be available for your family.

How do I select a cord blood bank?

- ✓ Competence: a listing of successful transplants from their stored units
- ✓ Experience: the number of families who have chosen their service
- ✓ Credibility: partnerships with leading hospitals, strong board of governance
- ✓ Accreditation: AABB and FACT
- ✓ Facility: purpose built and secure, availability of on-site tour
- ✓ Quality staff: Scientists, Certified Medical Laboratory Technologists, Registered Nurses

Is there a cost?

Government funding is not available to cover the expenses associated with family banking. The cost varies but generally averages \$1,000-1,200 (plus tax) initially and then \$125 for the annual storage of cord blood. For families also interested in saving cord tissue, the average cost is an additional \$600 in processing, and an additional \$100 for annual storage. A variety of payment options are available to help make this affordable for all.

How do I become cord blood ready?

- ✓ Register online before your due date (ideally 4-6 weeks in advance)
- ✓ Receive your collection kit
- ✓ Take collection kit with you to the hospital

How do I become cord blood educated?

- ✓ Attend a Parent Education Session at a location near you or online
- ✓ Speak to your healthcare provider
- ✓ www.parentsguidecordblood.org
- ✓ www.insception.com

1-<http://bethematch.org/Support-the-Cause/Donate-cord-blood/Cord-blood-is-changing-lives/>

2-Karen K. Ballen et al. Umbilical cord blood transplantation: the first 25 years and beyond. Blood July 25, 2013 vol. 122 no. 4 491-4985.

3-<https://clinicaltrials.gov>

4-Broxmeyer HE. Cord blood hematopoietic stem cell transplantation. (May 26, 2010), StemBook, ed. The Stem Cell Research Community, StemBook, <http://www.stembook.org/node/693>.

5-Nietfeld JJ et al. Lifetime probabilities of hematopoietic stem cell transplantation in the U.S. Biol Blood Marrow Transplant 2008;14:316-22.

6-Nagamura-Inoue and He (2014) World Journal of Stem Cells 6(2): 195-202 Umbilical cord-derived mesenchymal stem cells: Their advantages and potential clinical utility.

7-Harris (2008) Stem Cell Rev 4:269-274.

8-McDonald S.J., Middleton P. "Effects of timing of umbilical cord clamping of term infants on maternal and neonatal outcomes." Cochrane Database of Systematic Reviews. 2011. Issue1.

Available at ALL Canadian Hospitals and Home Births

Inception Lifebank provides easy and reliable service to our customers at ALL Canadian hospitals and home births with worry-free bedside pickup.

We are also the trusted partner of key medical institutions:



Canada's most convenient cord blood program

We have offices across Canada to serve you better, and we're growing! Speak to a cord blood expert near you, or visit www.inception.com/locations for more information.

Toll Free:	1.866.606.2790
Burnaby, BC:	604.738.2722
Calgary, AB:	403.252.2237
Ottawa, ON:	613.225.3899
Mississauga, ON:	905.206.2790
Mount Sinai, Toronto, ON:	416.586.4800 ext. 4251
Sunnybrook, Toronto, ON:	647.456.4908
Montréal, QC:	514.206.3558



Affordable Cord Stem Cell Banking

Inception Lifebank offers several options to help fit cord blood banking into your family's budget.

Cord Blood and Cord Tissue Banking

Collection & processing (one-time fee)	\$1,600
Annual storage	\$225

Cord Blood Banking

Collection & processing (one-time fee)	\$1,000
Annual storage	\$125

To calculate your payment package, go to: www.inception.com/pricing for an interactive calculator.

Inception Lifebank Pricing Details

- Applicable taxes, payment plan administration fees and medical courier costs are not included.
- We offer monthly payment plans to fit your family's needs.
- Your first payment is due upon the release of your collection kit.
- Our annual storage fees are guaranteed not to change for 18 years.
- Discounts are available for existing clients and multiple births.
- You may have coverage through private insurance. Please check with your specific plan.
- Your healthcare provider and/or hospital may charge an additional fee for collection.

Achieved Highest Level of Voluntary Accreditation

