



| by CooperSurgical®

The journey to a healthier tomorrow begins today.

Get answers to your questions about newborn stem cell preservation.





Preserving your baby's newborn stem cells may be able to help your family today, while potentially preparing them for a healthier tomorrow. The following pages include answers to questions you may have about CBR® and newborn stem cells while exploring your options.



Common questions



What are cord blood and cord tissue?

Your baby's umbilical cord is made up of tissue and contains blood, both of which are rich sources of powerful stem cells and other potentially beneficial cell types. Newborn stem cells are unique because they are biologically younger and more flexible than adult stem cells.¹



What can newborn stem cells be used for?

For more than 30 years, cord blood stem cells have been used in the treatment of certain cancers, as well as blood, immune, and metabolic disorders.² Today, the research continues to grow. More than 500 clinical trials have been initiated to study cord blood and cord tissue stem cells in regenerative medicine.³ This research is for a range of conditions, such as brain injuries, hearing loss, autism, and congenital heart defects.⁴



Who could potentially benefit from newborn stem cells?

Your baby isn't the only one who may benefit from having access to preserved newborn stem cells. The cells can potentially be used by siblings and parents, too. In fact, in many current cord blood treatments, stem cells from a donor — a matched sibling, for example — are needed.



What is delayed cord clamping?

Delayed cord clamping is the practice of letting the blood flow from the umbilical cord to the baby after delivery before clamping and cutting the umbilical cord. Delayed cord clamping and preserving newborn stem cells can both be part of your birthing plan. Just be sure to discuss your choices with your healthcare provider before your due date.



What is the difference between preserving newborn stem cells for your family and donating?

- **Preserving for family:** Set up in advance of delivery, this process preserves your baby's cord blood and/or cord tissue stem cells for potential future use by your family. Your baby is always a 100% match to their own newborn stem cells, while full siblings have a 75% chance of being at least a partial genetic match. This investment provides you access to your child's genetically unique resource and may open doors to future stem cell treatments for your family.
- **Donation:** If your family is delivering at a participating hospital, arrangements can be made to anonymously donate your baby's cord blood, which may be used by a patient who needs a transplant. While it is free to donate, the cells may not be available to your family for use in the future.



The CBR[®] difference

○ Affordable investment:

CBR believes that every family should have the opportunity to preserve their baby's newborn stem cells. That's why we created several affordable payment options that fit almost every family's budget.

○ Newborn Possibilities Program[®]:

Since 1992, the Newborn Possibilities Program has identified families who may be able to use their baby's newborn stem cells in the near future, either in a stem cell transplant or by participating in a clinical trial. If your child or a close family member has a qualifying medical need, as determined under the Program, we offer newborn stem cell preservation and five years of storage at no cost to families who may need it.

○ Comprehensive support:

CBR's Clinical Specialists are available to speak with your family about newborn stem cells options and to provide education about stem cell research. Our specialists can discuss your family's medical history and how newborn stem cells may be applicable to you. CBR's Family Health Registry[™] helps to identify conditions that are common among CBR families. That way, we can partner with researchers to study conditions that are important to our families and connect them to clinical trials.

○ Unparalleled commitment:

CBR constantly invests in our laboratory and storage facility to protect your family's precious resource.

CBR's mission is to help advance the science of newborn stem cells. Our partnerships with reputable research institutions on FDA-regulated clinical trials that focus on stem cell research enable us to achieve that mission.





We're here to help.



To learn more, visit cordblood.com or call CBR at **1.888.267.3256** to speak with a **Newborn Stem Cell Educator** who can help answer your questions.

References: 1. Ballen K. Update on umbilical cord blood transplantation. *F1000Res*. 2017;6:1556. Published 2017 Aug 24. doi:10.12688/f1000research.11952.1. 2. Mayani, H., Wagner, J.E. & Broxmeyer, H.E. Cord blood research, banking, and transplantation: achievements, challenges, and perspectives. *Bone Marrow Transplant* 55, 48–61 (2020). <https://doi.org/10.1038/s41409-019-0546-9>. 3. [Clinicaltrials.gov](https://clinicaltrials.gov); "umbilical cord" OR "cord blood" OR "cord tissue". 4. Couto PS, Bersenev A, Verter F. The first decade of advanced cell therapy clinical trials using perinatal cells (2005/2015). *Regenerative Medicine*. 2017;12(8):953-968. doi:10.2217/rme-2017-0066.

The use of cord blood is determined by the treating physician and is influenced by many factors, including the patient's medical condition, the characteristics of the sample, and whether the cord blood should come from the patient or an appropriately matched donor. Cord blood has established uses in transplant medicine; however, its use in regenerative medicine is still being researched. There is no guarantee that treatments being studied in the laboratory, clinical trials, or other experimental treatments will be available in the future.

Cord tissue use is still in early research stages, and there is no guarantee that treatments using cord tissue will be available in the future. Cord tissue is stored whole. Additional processing prior to use will be required to extract and prepare any of the multiple cell types from cryopreserved cord tissue. Cbr Systems, Inc.'s activities for New York State residents are limited to collection of umbilical cord tissue and long-term storage of umbilical cord-derived stem cells. Cbr Systems, Inc.'s possession of a New York State license for such collection and long-term storage does not indicate approval or endorsement of possible future uses or future suitability of these cells.