

## Generate Life Sciences Stem Cell Services

[Generate Life Sciences™](#) is a company that helps grow and protect healthy families through reproductive, newborn stem cell and genetic testing services. Generate has already helped protect nearly 1 million families with the legacy brand [CBR™](#) (Cord Blood Registry), the world's largest private newborn stem cell bank.

### **ABOUT CBR**

CBR has stored newborn stem cells (collected at birth from a baby's cord blood and cord tissue) for almost 30 years.

- World's largest private newborn stem cell bank
- 900,000 stem cell units stored
- 1992: Founded by Tom Moore
- The first private cord blood bank in the United States

*Family Health Registry:* All CBR families are invited to participate in advancing stem cell research by completing a family health questionnaire. The questionnaire collects data on the most common conditions treated with newborn stem cells and helps us connect our customers to clinical trials relevant to their family. 180,000 CBR clients have enrolled to date.

### **WHY NEWBORN STEM CELL BANKING IS IMPORTANT**

Newborn stem cells collected from cord blood and cord tissue have unique properties that make them different, and in some ways, more therapeutically beneficial than adult stem cells. Collecting newborn stem cells at birth presents a once-in-a-lifetime opportunity to preserve these amazing cells. Cord blood has successfully treated certain cancers and inherited disorders of the blood system for over 30 years. More recently, the growing field of regenerative medicine has dramatically expanded the clinical scenarios that may be addressed with newborn stem cells. Scientific advancements in regenerative medicine have increased the awareness and interest in storing newborn stem cells with CBR.

- Cord blood stem cells are currently used in transplant medicine to regenerate healthy blood and immune systems.
- Several hundred clinical trials have been initiated worldwide to help treat common conditions that occur over a lifetime, such as diabetes, osteoarthritis, cardiovascular disease, and autoimmune disorders like Lupus.
- Banking newborn stem cells from both cord blood and cord tissue is important because they are enriched with different populations of important stem cells. Umbilical cord blood contains hematopoietic stem cells (HSCs), which are the cells required to regenerate the blood and immune system. Umbilical cord tissue contains high numbers of mesenchymal stem cells (MSCs), cells that have the ability to modulate inflammation and help repair tissue damage. Cells present in both of these sources of newborn stem cells are important in the expanding field of regenerative medicine.

### **CORPORATE SOCIAL RESPONSIBILITY**

Generate Life Sciences is the first family-focused life sciences company to build social purpose into its business, culture and brand. Today, the company conducts the following social impact programs under the CBR brand:

- *Newborn Possibilities Program* - Families with a qualifying medical need can receive free cord blood processing and five years of storage for cord blood and cord tissue. 8,000+ patients and counting have benefited from this program.
- *Family Health Registry* - All CBR families can participate in advancing stem cell research and potential treatments by completing a family health questionnaire, which collects data on the most common conditions affecting CBR families and helps us focus our stem cell research. 150,000+ participants and counting.
- *Cord Blood Advantage* – Because it may be important for donor-conceived individuals to have their stem cells stored (as they only have access to half of their genetic family tree in the event that they need a transplant), we offer an exclusive program for our clients who have donor-conceived children using gametes from our sperm bank (California Cryobank) or egg bank (Donor Egg Bank USA). These clients receive free cord blood and tissue banking processing and first year storage fees once a pregnancy is reported. Over 1,000 per year.

### **About Generate Life Sciences**

[Generate Life Sciences \(Generate\)](#) is a life sciences company helping to grow and protect families through reproductive, newborn stem cell, genetic screening, medical device, and healthcare technology services. We serve families from preconception to post-birth. Our brands - [CBR](#) (Cord Blood Registry), [California Cryobank Donor Sperm Bank](#), [Donor Egg Bank USA](#), [NW Cryobank](#), [ReadyGen](#), [Kitazato USA](#), and [Donor Application](#) are pioneering leaders, helping to grow and protect nearly 1 million families. Headquartered in Los Angeles, Generate operates facilities in Tucson, New York, Boston, Palo Alto, and Rockville, MD. Generate is a portfolio company of [GI Partners](#), a private investment firm based in San Francisco.