

Generate Life Sciences Genetic Services

[Generate Life Sciences™](#) is a company that helps grow and protect healthy families through reproductive, newborn stem cell and genetic testing services. Our dedicated team of physicians, scientists and genetic counselors pursue new research and technological advances to develop new opportunities for family health.

Generate Life Sciences connects clients to the genetic services they need from the time of preconception planning to after their baby is born. Our staff of certified Genetic Counselors works closely with our potential gamete donors, donor-conceived families, and newborn stem cell storage clients to support their immediate and long-term health interests. Generate's genetic services also include ReadyGen Pediatric Screening, as well as DNA Advantage, California Cryobank's expanded carrier screening panel which tests donors for 260+ recessively inherited genetic diseases.

ABOUT READYGEN

Powered by [Sema4™](#), [ReadyGen™](#) is an innovative and advanced pediatric screening test that empowers parents to further protect their children by delivering clinically actionable and personalized health insights. ReadyGen analyzes DNA for early detection and allows for early intervention of serious conditions that can affect children even before they have symptoms. ReadyGen can also predict responses to 40+ medications that may be prescribed during childhood. This test helps a child's physician choose medications tailored to a child's unique genetic profile.

ReadyGen Pediatric Screening Test:

- Detection of 200+ conditions through advanced DNA sequencing technology; including 20+ conditions treatable by newborn stem cells
 - Blood diseases, such as Sickle Cell Disease and Fanconi Anemia
 - Immune Diseases, such as Congenital Neutropenia and Omenn Syndrome
 - Metabolic Disorders, such as Gaucher Disease and Hunter Syndrome
- Detecting these conditions early in life before symptoms manifest give parents and physicians the opportunity to intervene and optimize outcomes for the child
- Actionable Information: all conditions can be managed with diet, medication, or other therapies (including 20+ addressable with newborn stem cells)
- Requires only a cheek swab

ReadyGen Pharmacogenomic Test:

- Analyzes a child's response or sensitivity to 40+ medications
- Provided to a child's doctor to help recommend personalized medications in the future
- Requires only a cheek swab

ABOUT DNA ADVANTAGE:

DNA Advantage Donors have been screened using Next-Gen Sequencing for at least 260 conditions that are inherited in an autosomal recessive manner. This comprehensive genetic testing helps identify donors who are most compatible for clients who know their own carrier status.

Generate is positioned to play an increasingly important role in the lives of clients as new genetic testing platforms open the door to the future of personalized medical treatments. The organization is a link between cutting-edge science and the human experience. Everything we do is about creating futures for our families that didn't exist before.

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.