Foresight®

Carrier Screen

Simple screening for inherited conditions

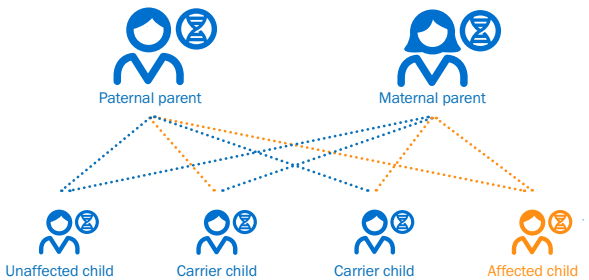
Myriad® genetics

Health. Illuminated.®

Benefits

Carrier screening can help you plan and prepare

The Foresight® Carrier Screen can help your healthcare provider determine if you might pass serious inherited health conditions on to your child. A small sample of your saliva or blood is all that's needed. Results are available in two weeks on average.



Inherited conditions are surprisingly common, and affect up to 1 in 300 pregnancies.[1] Family history doesn't tell the whole story. Many of us are carriers of inherited conditions and simply don't know it. And inherited conditions don't discriminate. Anyone in any ethnic or racial group can have an affected child.

It can be done early

You can be tested early in pregnancy, or even before becoming pregnant.

Knowledge is power

Most people get reassuring results and the peace of mind that comes with them. If something shows up on a screen, your healthcare provider or a Myriad board-certified genetic counselor can help you understand the result and next steps.

For more information, visit
myriad.com/foresight

We screen for serious conditions

It's normal to be a carrier for an inherited condition

For many conditions, being a carrier means that you inherited a normal gene and a gene with a mutation. As long as you have one normal gene, you typically don't have any symptoms.

It's important to know if you're both carriers

If both parents have a mutation in the same gene, there's a 25% chance that your baby will inherit the mutation from both parents and develop symptoms. There are also a few conditions where only the egg provider needs to carry a mutation for the baby to be at risk of developing symptoms.

We screen for serious conditions that can shorten lifespan, can cause intellectual disability, conditions for which there are limited to no treatment options available, and for conditions where early treatment can make a difference.

Our fundamental panel includes:

- **Cystic fibrosis,** which affects many organs, including the lungs, pancreas, and liver. It may cause chronic breathing problems and lung infections, and patients have a shortened life expectancy.
- **Spinal muscular atrophy (SMA),** which is the most common genetic cause of infant death.[2] Babies with SMA can't use their muscles for some basic movements, and eventually for breathing or swallowing.
- **Fragile X syndrome,** which is the most common inherited cause of intellectual disability. Children can benefit from early intervention, but the average age of diagnosis is three years.[3]

A full list of Foresight® panels and opt-ins is available at **myriad.com/foresight**

You have your results. What happens next?

We want you to have the support you need. Every Foresight® Carrier Screen includes scheduled or on-demand consultations with our board-certified genetic counselors.

If you find out that you are a carrier, it's essential that your partner is screened to make sure that they are not a carrier for the same condition.

If your results indicate it, there are important steps you can take:

Prepare for delivery

Depending on your results, you may choose to seek additional support to help plan and prepare. In some cases, early treatment can make a big difference. You might start by speaking with a specialist or one of our genetic counselors.

Perform prenatal diagnosis

Chorionic villus sampling or amniocentesis can determine if an inherited condition was passed on to your child.

Explore other family-building options

If you're not currently pregnant, your results can help you determine whether you want to consider an in vitro fertilization procedure where embryos are screened for genetic disease before implantation. Other options include adoption or sperm/egg donation.

We have you covered

Committed to making genetic screening accessible

We understand that every situation is unique. The Myriad Promise is our commitment to provide more patients with access to reliable and affordable genetic results.

The Myriad Promise has three key components designed to help you make informed choices about your health, your family, and your future:

- Broad in-network status with health plans
- Financial assistance and payment plans, for those who qualify
- Personalized cost estimates

To learn more about how Myriad has you covered, visit **myriad.com/access**

Foresight® Carrier Screen

We offer two genetic screens for those who are planning a family:

Foresight Carrier Screen
Screens for inherited conditions like cystic fibrosis. Can be used before or during pregnancy.

Prequel® Prenatal Screen
Screens for chromosome conditions like Down, Edwards, or Patau syndrome. Can be used at 10 weeks gestational age.

Questions?

Our specialists are available
5AM – 5PM PST, Monday – Friday
(888) 268 - 6795
myriad.com/contact-us

Foresight & Prequel Support:
prenatalsupport@myriad.com

1. Hogan GJ, Vysotskaia VS, Beauchamp KA, et al. Validation of an Expanded Carrier Screen that Optimizes Sensitivity via Full-Exon Sequencing and Panel-wide Copy Number Variant Identification. Clin Chem. 2018;64(7):1063-1073. doi:10.1373/clinchem.2018.286823. **2.** Kolb SJ, Kissel JT. Spinal Muscular Atrophy. Neurol Clin. 2015 Nov; 33(4): 831–846. doi: 10.1016/j.ncl.2015.07.004. **3.** Okoniewski KC, Wheeler AC, et al. Early Identification of Fragile X Syndrome through Expanded Newborn Screening. Brain Sci. 2019 Jan; 9(1): 4. doi: 10.3390/brainsci9010004.

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