Genetic Counselling

Genomic Diagnostics provides free local genetic counselling to all people before they have the Foresight® Carrier Screen. This high quality telehealth service aims to support and educate patients. Simply call **1300 268 679** to arrange a time.

Genetic counselling is also provided to all carriers of any of these conditions and is recommended to provide more information and enable detailed discussions regarding your reproductive options. This support is also free of charge through Genomic Diagnostics.

Why choose Genomic Diagnostics?

- ✓ Accurate results, a leader in its field
- ✓ Fast Results in 3 - 4 weeks
- ✓ Proven track record with over 1 million patients tested world wide
- ✓ Support from our local experienced genetic counsellors
- ✓ Conveniently available at a collection centre near you

References:

1. Hogan GJ. et al. Clin Chem 2018; doi:10.1373/clinchem.2018.286823.
2. de Graaf G, Am J Med Genet 2015; 167(4):756-767.
3. Archibald et al. Genet Med. 2017; doi: 10.1038/gim.2017.134.

How do I get the Foresight® Expanded Carrier Screen?

Step 1: See your doctor to get a request

After discussing carrier screening options with you, your doctor will complete a dedicated request form.

Step 2: Prepare for your collection

Medicare and private health insurance do NOT cover the cost of testing. Prepay online via genomicdiagnostics.com.au. If you are unable to pay online contact our Customer Care Team on 1800 822 999. Write your receipt number on the request form.

Step 3: Undertake free pre-test genetic counselling

Contact 1300 268 679 to book your consultation.

Step 4: Have your sample collected

Take your request form to your closest Healius pathology collection centre to have your sample taken.

Step 5: See your doctor for your results

Your doctor will discuss your results with you. Post-test genetic counselling is offered free of charge for all identified carriers.

Genomic Diagnostics

Foresight® offered by Genomic Diagnostics Pty Ltd for Myriad Genetics, Inc.

For more information, contact us at info@genomicdiagnostics.com.au

1800 822 999

genomicdiagnostics.com.au

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Healius Pathology Pty Ltd (ABN 84 007 190 043) t/a Genomic Diagnostics_133_GD_DR_V1_May23
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Genomic Diagnostics

Myriad genetics

Foresight® Carrier Screen

Expanded genetic screening for inherited conditions

Healius Companies

abbott pathology | dorevitch pathology | laverty pathology | qml pathology | tml pathology | western diagnostic pathology

Carrier screening can help you plan and prepare

The Foresight® Carrier Screen can help your healthcare provider determine if you could pass serious inherited health conditions on to your child. A small sample of your blood is all that's needed. Results are ready in three to four weeks.

Inherited conditions are common

Individually, inherited conditions are rare, but collectively the conditions included in the Foresight Carrier Screen affect up to 1 in 300 pregnancies. That's higher than the incidence of Down syndrome.[1,2]

Family history doesn't tell the whole story

Knowing your family history can tell you a lot about your health and the health of your baby. But many of us are carriers of inherited conditions and simply don't know it. In fact, 88% of individuals who are carriers for cystic fibrosis, spinal muscular atrophy, and fragile X syndrome have no known family history.[3]

Inherited conditions don't discriminate

Anyone in any ethnic or racial group can have a baby with an inherited condition. Medical societies now recognize the advantages of offering screening for the same set of diseases to all patients, regardless of ancestry.

An expanded carrier screen can provide additional information

The Foresight Carrier Screen provides information on over 175 inherited conditions. This can be used to detect a wider range of at-risk couples than traditional simpler carrier screens that only look at the three most common conditions.

Your genes are your family's blueprint

Babies inherit half their genes from each parent. Those genes pass along family characteristics like hair and eye colour. Sometimes they also pass on inherited conditions.

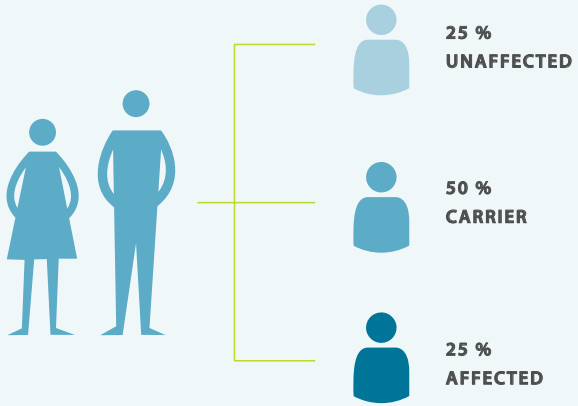
It's not uncommon to be a carrier for an inherited condition

Being a carrier means that you inherited a normal gene from one parent and a gene with an irregularity, also called a pathogenic variant, from the other. As long as you have one normal copy of a gene, you typically don't have any symptoms.

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

If a variant in a gene is found in the screening test for one of the parents, it will be important to have the reproductive partner screened as well. If both parents have a variant in the same gene, there's a 1 in 4 (25%) chance for every pregnancy that your baby will inherit the variant from both parents and develop symptoms of the associated condition.

There are also a few conditions where only the patient whose egg will be or has been fertilized needs to carry a variant for the baby to be at risk of developing symptoms.



Autosomal Recessive Inheritance

We can look for a variety of serious conditions

The Foresight® Carrier Screen assesses your carrier status for serious conditions you may have heard of, as well as several others that fall into the following categories:

- Conditions where early treatment can make a difference (such as cystic fibrosis)
- Conditions that cause intellectual disability (such as fragile X syndrome)
- Conditions that shorten lifespan (such as Bloom syndrome)
- Conditions where there are limited to no treatment options available (such as Tay-Sachs disease)

A full list of conditions screened is available at **www.genomicdiagnostics.com.au/individuals/genetic-carrier-screening/**

You have your results. What happens next?

If you find out that you carry a variant in a gene, it's essential that your partner is screened to make sure that your partner does not carry a variant in the same gene. If you are both carriers, there are important steps you can take that will depend on whether or not you are currently pregnant.

Perform prenatal diagnosis

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

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 counsellors.

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 (IVF) procedure where embryos are screened for genetic disease before implantation. Other options include adoption or sperm or egg donation.