Genomic Diagnostics
LEADING THE WAY TO IMPROVE HEALTH

Myriad genetics

Myriad Genetics Foresight® Carrier Screen

CLINICIAN GUIDE FOR GENETIC TESTING

Access Myriad Genetics testing for Australian patients

Genomic Diagnostics and the Healius Pathology network are the Australian partners for Myriad Genetics Foresight Carrier Screen. This world-leading expanded carrier screen test looks for 175+ serious and actionable genetic diseases, and is easily accessible to your patients through our network of collection centres.

Detect more with expanded carrier screening

Carrier screening is used to identify couples who are at risk of passing inherited disorders to their children. Traditionally, carrier screening has been offered to patients based on their ethnic background or family history; however, this approach can miss couples at risk of having a pregnancy affected by a genetic disease.

Expanded carrier screening (ECS) panels can be used to detect a wider range of at risk couples, compared to traditional carrier screens that often include only cystic fibrosis (CF), spinal muscular atrophy (SMA) and fragile X syndrome (FXS).

Key benefits of Myriad Genetics Foresight® Carrier Screen

Most parents are not aware they are at risk.
80% of children born with genetic disease have no known family history of the condition[1]

Affected couple rates are high

ECS

1 in 300 pregnancies

Approximately 1 in 300 pregnancies are affected by a condition screened by the Foresight Carrier Screen (ECS)[2]

Prioritising clinical significance in panel design

To identify appropriate diseases for the test panel, Myriad's team of experts evaluated >650 genes based on strict criteria. Myriad's goal is to produce not simply more, but meaningful, clinical information.

The process

Severity	Is this condition only mild? Or is it serious (moderate, severe or profound)?
Actionability	Is this information helpful to patients?
Prevalence	Is the condition common enough to be of value?
Sensitivity	With the best technology available, how well can we identify carriers?

Foresight Carrier Screen (>176 diseases)

Using these criteria, Myriad selected >176 diseases for the Foresight Carrier Screen that are serious, clinically actionable, and prevalent, with maximum gene-level sensitivity.

Strict disease inclusion criteria ensure that we provide meaningful clinical information to you and your patients.

Healius Pathology companies

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

Myriad Genetics Foresight® Carrier Screen has unmatched detection of serious disorders

The Foresight Carrier Screen detection rates

1 in 22 couples at-risk

Leads the industry in helping providers identify at-risk-couples for serious and actionable conditions.[2]

>99% for most genes

The overwhelming majority of genes on the panel have detection rates >99%, which ensures utmost confidence in both positive and negative results.[3]

The true goal of carrier screening is to detect couples at risk of having a child with a serious inherited disease.

Genetic Counselling is included

- Pre-test genetic counselling is available for all prospective patients.
- Post-test genetic counselling for all carriers is included free of charge.
- **Patients call 1300 2686795 (1300 COUNSYL) for genetic counselling*.**

Arranging Foresight® Carrier Screen

Step 1: Patient Consultation

- Discuss expanded carrier screening with your patient.
- Order Myriad Genetics Foresight Carrier Screen using the dedicated request form. This can be downloaded from genomicdiagnostics.com.au or requested from our Customer Care team.

Step 2: Prepare for collection

- Patient is required to pay for their Foresight Carrier Screen prior to having their blood taken.
- This test is not covered by Medicare or private health insurance.
- Payment occurs online at genomicdiagnostics.com.au.
- Patient notes their receipt number on the request form.
- Pre-test counselling can be organised now or following sample collection.

Step 3: Sample collection

- Patient attends Healius Pathology network collection centre with their signed request form.
- Blood is collected and screening is performed.

Step 4: Result discussion

- Results are delivered to you by fax. Please ensure to include your fax details on the request form.
- If reproductive partners are to be tested, note partner's details on form so combined report can be issued.
- Post-test genetic counselling for carriers can be arranged.

* A clinical report will be provided to the test requestor when post-test counselling is performed.

References

1. Blythe SA, et al. Clin Biochem 1984;17(5):277-283.
2. Hogan, et al. Clin Chem 2018; doi:10.1373 clinchem.2018.286823.
3. Foresight® Residual Risk Table. https://myriad-library.s3.amazonaws.com/mwh/disease-detection-fact-sheet.pdf

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