Inside Dtect Carrier

Dtect Carrier is a genetic test designed to determine if a healthy person is a carrier of certain genetic disorders, specifically autosomal recessive disorders and X-linked recessive disorders. It provides information about an individual's reproductive risk and his or her chances of having a child with a genetic disease.

Genetic tests for autosomal and X-linked recessive disorders help to support an accurate diagnosis and may be useful for family planning decisions, including the use of in vitro fertilisation (IVF) and preimplantation genetic diagnosis.

Dtect tests use the latest in high-density microarrays for deep genetic studies of DNA. These tests are developed and supplied across Southeast Asia by Malaysian Genomics Resource Centre Berhad.

Limitations

Genetic screening can indicate whether an individual has a predisposition, or is at an increased likelihood, of having an inherited disease or disorder. However, it cannot indicate if the individual will show symptoms, how severe the symptoms will be, or whether the disease or disorder will progress over time.

A negative test result does not mean that an individual will not get the inherited disease or disorder because Dtect Carrier is designed to detect only highly significant genetic markers which have been documented during medical research. Environmental and lifestyle factors also play a role in the development of inherited diseases and disorders.

Other Products

Dtect Cardio & Metabolic
Evaluates markers associated with cardiovascular and metabolic diseases.

Dtect Child
Detects inherited genetic illnesses or developmental disorders in children.

Dtect Colon+
Screens for risk of colorectal cancer, using ACMG guidelines.

Dtect Derma
Screens for traits or conditions that affect skin youthfulness and premature ageing.

Dtect Fertility
Screens for genetic causes of infertility.

Dtect Immune Health
Screens for risk of susceptibility and severity of COVID-19 infection.

Dtect NPC+
Screens for risk of nasopharyngeal and other head and neck cancers.

Dtect Onco
Screens for risk of 32 types of familial cancers.

Dtect PGx
Screens for risk of adverse drug reactions and drug responses.

Dtect Prostate+
Screens for risk of prostate cancer, using ACMG guidelines.

Dtect Wellness
Screens for 46 traits or conditions that affect health and wellness.

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Carrier

Testing for Carrier Status of Genetic Disorders

Your First Step Towards
Total Health and Vitality

MEDIFIRST Sdn Bhd

Autosomal Recessive Disorders

If both parents are carriers of the same genetic disorder, then the chances of having an affected, carrier or healthy (non-affected and non-carrier) child are as follows:

- 25% chance that the child will inherit one mutated gene from each parent and will be affected by the autosomal recessive disorder.
- 50% chance that the child will inherit only one mutated gene from one parent, and will be a carrier, but not be affected by the autosomal recessive disorder.
- 25% chance that the child will not inherit the mutated gene from either parent, and will be healthy; i.e. neither be affected nor a carrier of the autosomal recessive disorder.

Dtect Carrier screens for the following autosomal recessive disorders:

- Alpha-I antitrypsin deficiency
- Beta thalassemia
- Biotinidase deficiency
- Cystic fibrosis
- Gaucher disease
- Glutaric acidemia, type I
- Glycogen storage disease, type II
- Maple syrup urine disease
- Niemann-Pick disease
- Phenylketonuria
- Polycystic kidney disease
- Severe combined immunodeficiency disease
- Tay-Sachs disease
- Wilson's disease

X-Linked Recessive Disorders

If the mother is a carrier of the genetic disorder, then the chances of having an affected, carrier or healthy (non-affected and non-carrier) child are as follows:

- 50% chance that the child is healthy.
- 25% chance that the child is a daughter who is a carrier but unaffected.
- 25% chance the child is a son who is affected.

Dtect Carrier screens for the following X-linked recessive disorders:

- Adrenoleukodystrophy
- Alport syndrome
- Duchenne muscular dystrophy
- Severe X-linked myotubular myopathy
- X-linked agammaglobulinemia
- X-linked severe combined immunodeficiency

FOR MORE INFORMATION

Ask your doctor for a Dtect Carrier test today or email **care@medifirst.com**

Process for Using Dtect Carrier

1. Ask your doctor for Dtect Carrier today.
2. Your doctor will collect a buccal swab or blood sample and send it to our laboratory.
3. We will extract DNA from the sample and screen for genetic markers.
4. We will send the results to your doctor. If you require, we will also send you the results.
5. Your doctor will explain the results to you and provide advice on the next course of action.

DID YOU KNOW?

If an individual is a carrier of an autosomal recessive disorder, there is a 25% chance that a child will be affected by the disorder.