

Genetic insight to empower your life decisions

SAFE | SENSITIVE | RELIABLE



WHAT IS **Adventia** CARRIER SCREENING?

Adventia is a genetic test for carrier screening. Adventia can be done by any individual to check if they are carriers of a genetic disease to minimize their risk of transmitting the disease to their children.

WHY SHOULD I GET TESTED?

Anyone can carry certain mutations (genetic changes) in their body. As carriers are asymptomatic, they are unaware of their carrier status and the risk of passing a mutation to their children. Unless you have been tested, it is impossible to know whether you are a carrier of a recessive disease. In fact, many mutations for recessive diseases could be inherited via multiple generations without clinical manifestation.

Genetic diseases may be rare, with varying prevalence, but can have adverse effects on health and development, or be life-threatening. Early knowledge about diseases that can be clinically manageable can result in earlier intervention, therapies where available, and better clinical management for affected children.



1 in 4 people is a carrier of a genetic disease *Lazarin et al., 2013*

HOW DOES **Adventia** HELP ME?

- Minimizes the risk of transmitting a genetic disease to your children
- Gives an insight into your reproductive choices [e.g. in-vitro fertilization (IVF) and preimplantation genetic testing (PGT-M)]
- Informs you about your choices (e.g. genetic counselling, early intervention, therapies where available)
- Testing for diseases with moderate to severe phenotype (clinical characteristics), and high carrier frequency

WHAT DOES **Adventia** TEST FOR?

Adventia tests for up to 229 moderate to severe autosomal recessive and X-linked genetic diseases.

1

FOCUS PANELS

6 individual panels testing for 1 or 2 diseases

20

CORE PANEL

20 genetic diseases

229

COMPREHENSIVE PANEL

229 genetic diseases

For a complete list of the diseases tested by Adventia Core and Comprehensive panels please visit www.nipd.com/adventiapanel

WHO IS **Adventia** CARRIER SCREENING FOR?



Couples planning to start their families and want to know about their carrier status



Any individual or couple going through assisted reproduction, including IVF



Sperm and oocyte donors, and recipients of sperm or oocyte donation



Couples who are already pregnant and want to know whether their child has a risk of having a genetic disease



High-risk population groups for specific diseases



People with a family history of a genetic mutation



Any individual wishing to know more about their genetic background

HOW IS **Adventia** PERFORMED?



Adventia is a non-invasive, safe and easy test to perform. Sample is collected via a buccal swab, by moving it in circular movements in the inside of the cheeks.