

## Process for Using Dtect Fertility

**1** Ask your doctor for Dtect Fertility today.



**2** Your doctor will collect a minimum of 3 ml of blood, 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.



**5** Your doctor will explain the results to you and provide advice on the most appropriate treatment.

**Personalise Your Fertility Treatment.**

**Ask for Dtect Fertility Today!**

### Limitations

The information presented in the Dtect Fertility report is provided as personal health information. The content is not intended to be a substitute for professional medical advice, diagnosis or treatment. Only a physician or other healthcare professionals should advise a patient on the results in the report. The report is one of multiple sources of information that physician should consider in guiding their treatment protocols for each patient. It remains the responsibility of the physicians to determine the best course of treatment for a patient. Adherence to the report guidelines does not necessarily assure a successful treatment outcome.

### Other Products

- Dtect BRCA+** screens for risk of breast and ovarian cancers, using ACMG guidelines.
- 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 NPC+** screens for risk of nasopharyngeal, and other head and neck cancers (HNCs).
- 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.



**Fertility**

## Genetic Screening Services for Personalising Fertility Treatments

Your First Step Towards  
Total Health and Vitality

PATIENT'S GUIDE



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## Personalise Your Fertility Treatment

Dtect Fertility screens your DNA for groups of genetic markers linked to conditions which can affect the success of fertilisation during assisted reproduction technology (ART) treatments, such as in vitro fertilisation (IVF).

This test screens for three major areas related to the female reproductive physiology, which include:

- Varying sensitivity or responsiveness to follicle-stimulating hormone (FSH)
- Risk of oocyte maturation defects
- Risk of embryo implantation failure

The Dtect Fertility test results can indicate possible genetic causes which affect the success of a fertility treatment. With this information, your doctor will then be able to develop a more effective personalised treatment approach which can help to improve your fertility treatment outcomes.

## Benefit of Dtect Fertility

- Understand your genetic profile and fertility-related risks
- Get personalised fertility treatment based on your DNA
- Improve the efficiency and success of your treatment
- Minimise the time and cost of getting the right treatment

Dtect Fertility uses the latest technologies and equipment available from the USA.

## Dtect Fertility Screens for Genetic Causes of Infertility

### *Assessment of Hormonal Therapy Efficacy Associated With Sensitivity or Responsiveness to FSH*

Controlled ovarian hyperstimulation (COH) is an important phase of IVF treatment to produce multiple eggs in the ovary.

How an individual reacts to the treatment depends on

- Screen your DNA for genetic markers associated with FSH response.
- Know the possible hormonal response from your test results:
  - Good response to COH
  - Slightly lower response to COH
  - Lower response to COH

### *Assessment of the Genetic Risks Associated With Oocyte Maturation*

Successful reproduction depends on the fusion of a mature oocyte with a sperm to form a fertilised egg. Maturation defects of oocytes can affect the success of fertility treatments.

- Screen for the genetic variants associated with chromosomal separation defects in oocytes which can affect female fertility and the success rate of IVF.
- Understand your genetic risks for oocyte maturation
  - No increased risk of having less mature oocytes
  - Moderate risk of having less mature oocytes
  - Increased risk of having less mature oocytes

### *Assessment of the Genetic Risks Associated With Embryo Implantation Failure*

Developmental defects of oocytes can lower the chances of embryo implantation.

- Screen for the genetic risks related to oocyte developmental defects.
- Know your genetic risks for possible embryonic defects of surviving mature oocytes:
  - No increased risk of embryonic defects
  - Moderate risk of embryonic defects
  - Increased risk of embryonic defects

