Fertiscan

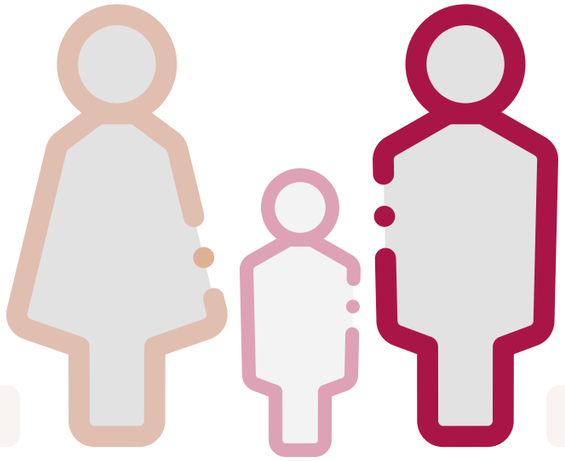
The most comprehensive genetic test

for an innovative approach to male and female infertility causes in couples with reproductive difficulties

eurofins | Genoma

INFERTILITY

A study by the Italian National Institute of Health indicates that infertility involves 15% of couples and equally affects males and females.



About 10-15% of male infertility cases and 8-10% of female infertility cases are associated with genetic alterations, which can include chromosomal abnormalities or single gene mutations. 20% of the cases is defined as "idiopathic infertility" because it is not possible to certaintly diagnose the presence of underlying causes.

Data from the Medically Assisted Procreation National Register. Italian National Institute of Health. "Infertility and PMA techniques." Update 09-03-2018

Fertiscan

is an innovative genetic test for the evaluation of the infertility genetic causes

FERTISCAN
FEMALE
INFERTILITY PANEL

FERTISCAN
MALE
INFERTILITY PANEL

Fertiscan

GLOBAL FEMALE INFERTILITY PANEL

Is a test for the evaluation of women's reproductive health, designed to identify female infertility most common genetic causes and the rarest genetic abnormalities associated with infertility and recurrent miscarriage.

*Simultaneous analysis of more than **70 genes** for the study of female infertility main causes, including Primary Ovarian Insufficiency, Ovarian dysfunction, Ovarian dysgenesis, Embryonic lethality, Recurrent miscarriage and oocyte maturation defects.*

GLOBAL MALE INFERTILITY PANEL

Is a test for the evaluation of men's reproductive health, designed to identify male infertility most common genetic causes.

*Simultaneous analysis of more than **50 genes** for the study of male infertility main causes, including Azoospermia, Asthenospermia and abnormal sperm morphology.*

Fertiscan

FEMALE

Fertiscan™ Global Female Infertility Panel	70 genes
Fertiscan™ - Primary Ovarian Insufficiency/Ovarian Dysfunction NGS Panel	50 genes
FertiScan™ - Ovarian Dysgenesis NGS panel	11 genes
FertiScan™ - Preimplantation embryonic lethality NGS Panel	3 genes
FertiScan™ - Oocyte maturation defect NGS panel	5 genes
Fertiscan™ - Miscarriage NGS panel	14 genes
Fertiscan™ - Polycystic Ovary Syndrome	2 genes
Fertiscan™ - Ovarian Hyperstimulation Syndrome / Ovarian response to Ovarian stimulation	5 genes

Female Fertiscan tests are available in a targeted version for the investigation of specific disorders associated with an increased risk of infertility in women, and in a complete version through the Global Female Infertility Panel.

MALE

Fertiscan Global Male Infertility Panel	50 genes

FERTILITY BOX

a combination of analyzes for a complete evaluation of the genetic conditions associated with male or female infertility in a single solution.

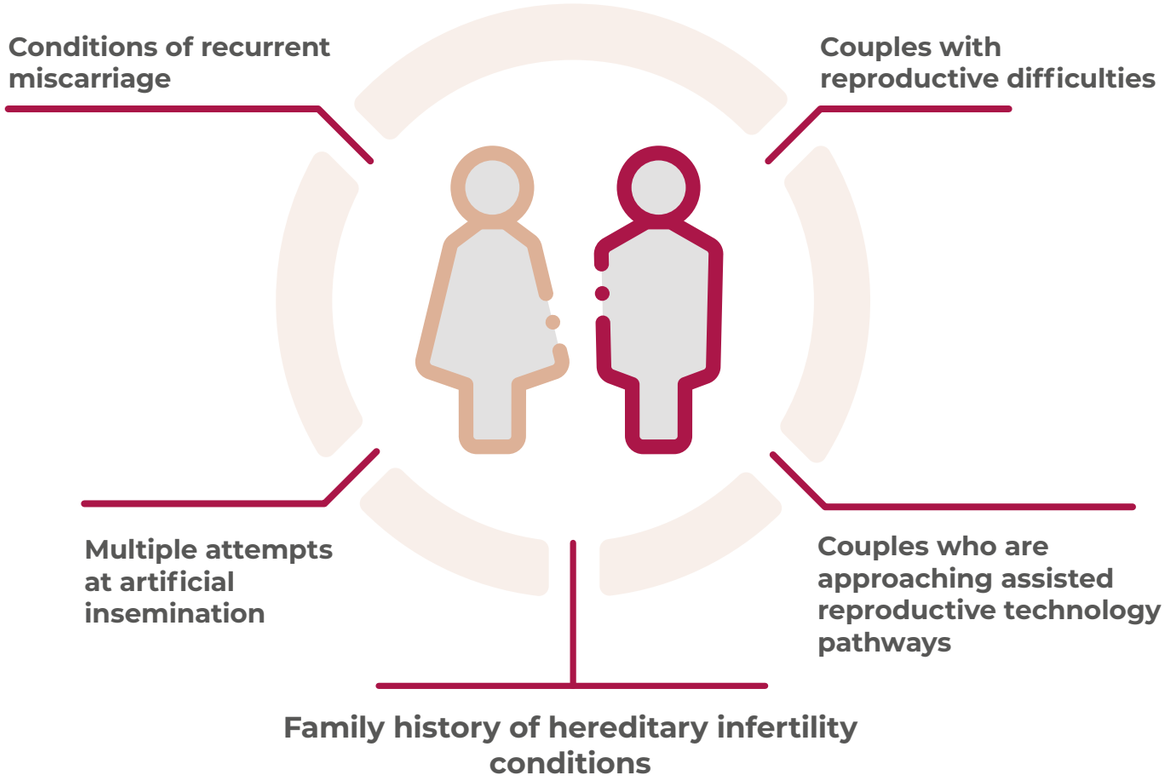
FEMALE

- **Fertiscan**
- **Karyotype**
- **Cystic Fibrosis**
- **Fragile X**
- **Thrombophilia**

MALE

- **Fertiscan**
- **Karyotype**
- **Cystic Fibrosis**
- **Y Chromosome Microdeletion**

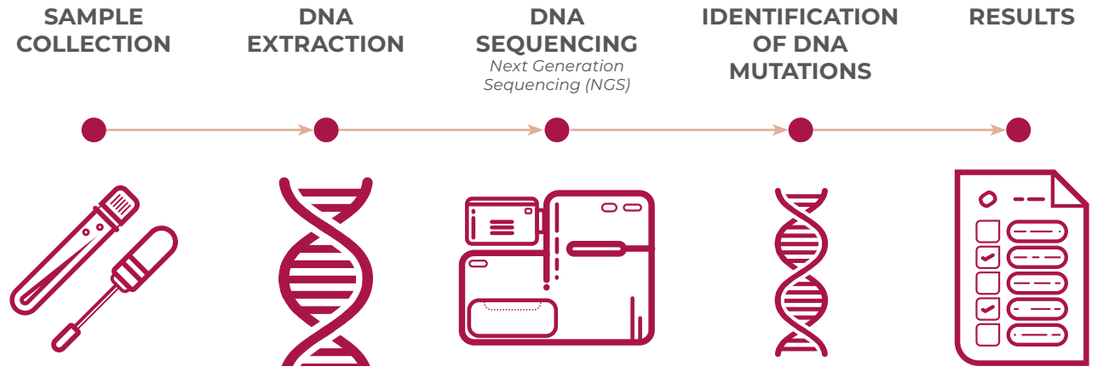
INDICATIONS TO Fertiscan



TECHNOLOGY

High-resolution sequencing

The genes included in the Fertiscan™ panels* are entirely sequenced at high reading depth thanks to the use of Next Generation Sequencing (NGS) technologies. The analysis involves the complete study of the coding portion of each gene (full exon sequencing) at high resolution.



The genetic sequences obtained are interpreted by an advanced bioinformatic analysis, in order to identify any mutations associated with pathologies in the analyzed genes.

*indicated in the table as NGS Panel

Fertiscan
CHARACTERISTICS

EASY
Sample required: blood (3ml)

RELIABLE
Sensitivity and specificity >99%

COMPLETE
In-depth investigation to identify the genetic causes of infertility

ADVANCED
State-of-the-art technologies and sophisticated bioinformatics analysis

5 Fertiscan
EASY STEPS

1. ORDER THE COLLECTION KIT
2. FILL IN THE TEST REQUEST FORM AND THE INFORMED CONSENT
3. COLLECT THE DNA SAMPLE
4. SHIP THE SAMPLE TO THE LAB
5. RECEIVE RESULTS

Fertiscan

Cutting-edge diagnostic solutions

Test performed in Italy (Rome and MIlan).

TAT: 15-20 working days

20+ years experience in molecular diagnostics

Team of experts in genetics.

ISO 17025 accreditation
SSN accreditation

Test available worldwide

Over **250.000 genetic** tests/year

Dedicated R&D team

Fertiscan B ENG rev.00

design: evermind.it

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