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We help you start a healthy family

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The World Leader in Next Generation Sequencing for PGS & PGD

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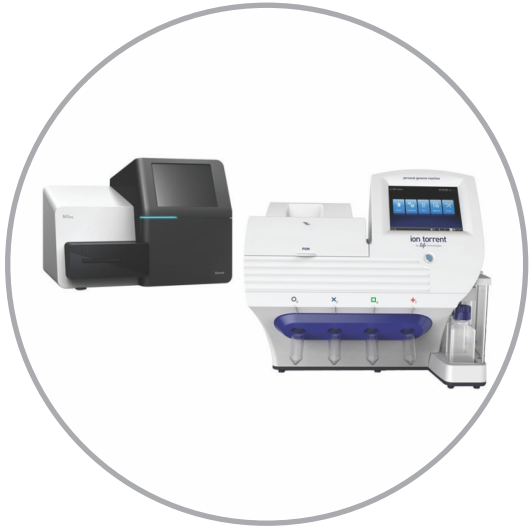
INTRODUCING NEXT GENERATION SEQUENCING FOR PGS AND PGD



Progenesis is a Pioneer in Next Generation Sequencing

Progenesis introduces the most accurate test in the IVF field for 24-chromosome aneuploidy screening and single gene disorders.

Clinical Validation

Next Generation Sequencing (NGS) is clinically validated. NGS has been shown to be superior to microarray in gender selection and detection of sex chromosome abnormalities.

Better Detection of:

- ✓ Triple X syndrome
- ✓ Klinefelter syndrome (XXY)
- ✓ XYY syndrome
- ✓ Tetrapolyploidies
- ✓ Translocations
- ✓ Single gene disorders
- ✓ Gender selection

Why Use Next Generation Sequencing?

Next Generation Sequencing is the latest technology used in human genome sequencing. It is the most reliable and accurate method for DNA testing.

Accuracy	✓
Reproducibility	✓
Sensitivity	✓
PGD + PGS	✓
Price	✓

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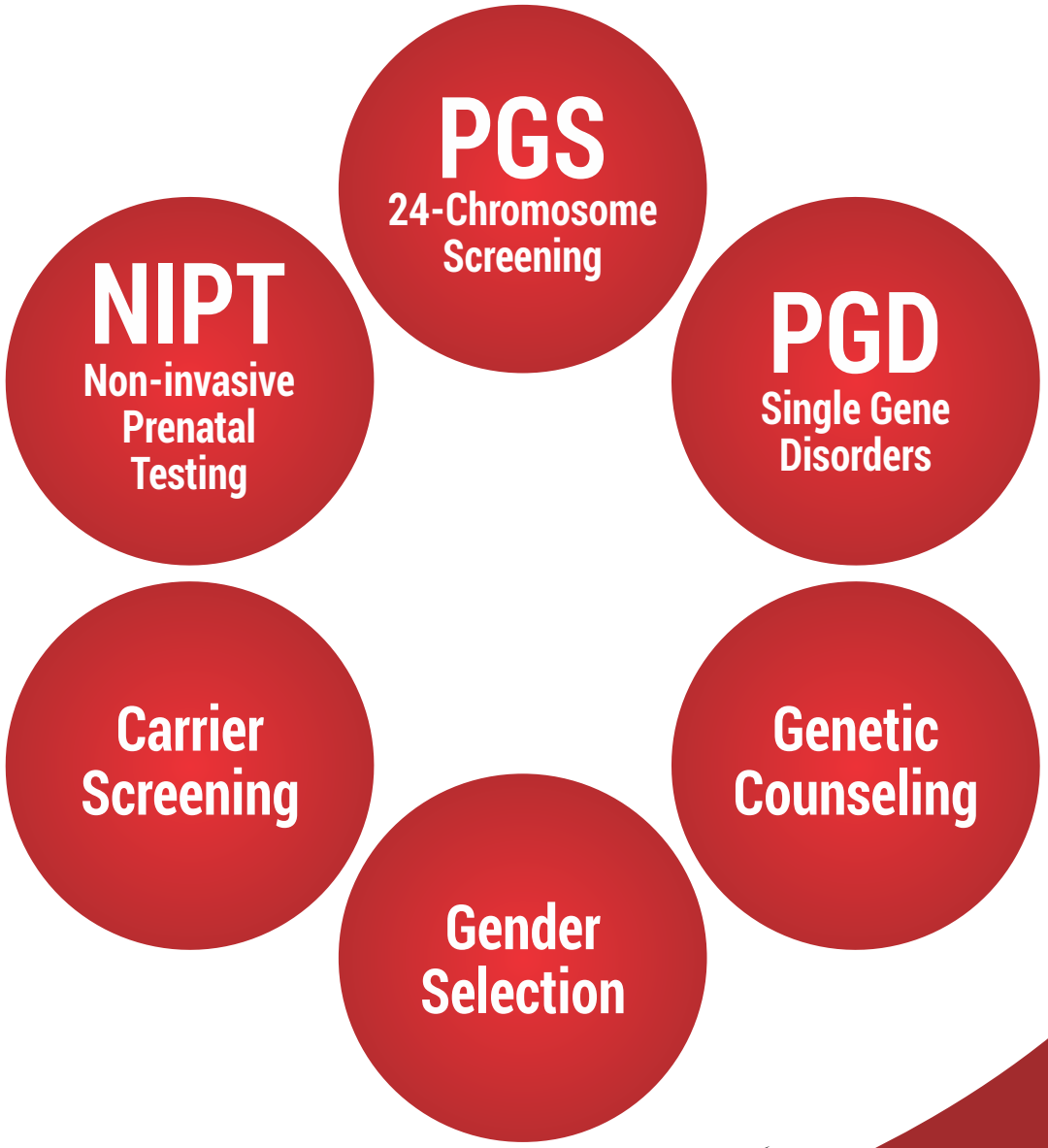
All of your genetic testing needs in **ONE** *place*



24-Chromosome Screening (PGS)

FIND THE EMBRYO THAT IS MOST LIKELY TO LEAD A HEALTHY BABY

Progenesis uses next generation sequencing, providing high accuracy and a very low false positive rate.

Common infertility issues Progenesis can address

- ✓ Advanced maternal age
- ✓ History of miscarriage
- ✓ Pregnancy failure
- ✓ Carrier of genetic diseases

Syndromes detected by PGS

- ✓ Patau syndrome (+13)
- ✓ Edwards syndrome (+18)
- ✓ Down syndrome (+21)
- ✓ Klinefelter syndrome (XXY)
- ✓ Turner syndrome (XO)

Single Gene Disorder (PGD)

THREE EASY STEPS TO PGD SUCCESS

Next Generation Sequencing combines the power of single mutation detection and complete 24-chromosome aneuploidy screening. Both tests are performed simultaneously on the same embryo.

In 3 easy steps:

Two weeks

Review genetic records
Design the genetic test

One week

Confirm
Testing

48 hours

24-Chromosomes screening
Single gene disorders

- Alpha Thalassemia
- Beta Thalassemia
- Cystic Fibrosis
- Hemophilia
- Sickle Cell Disease
- Tay-Sachs Disease
- Glycogen Storage Disease
- Spinal Muscular Atrophy
- Hereditary Cancer and more ...

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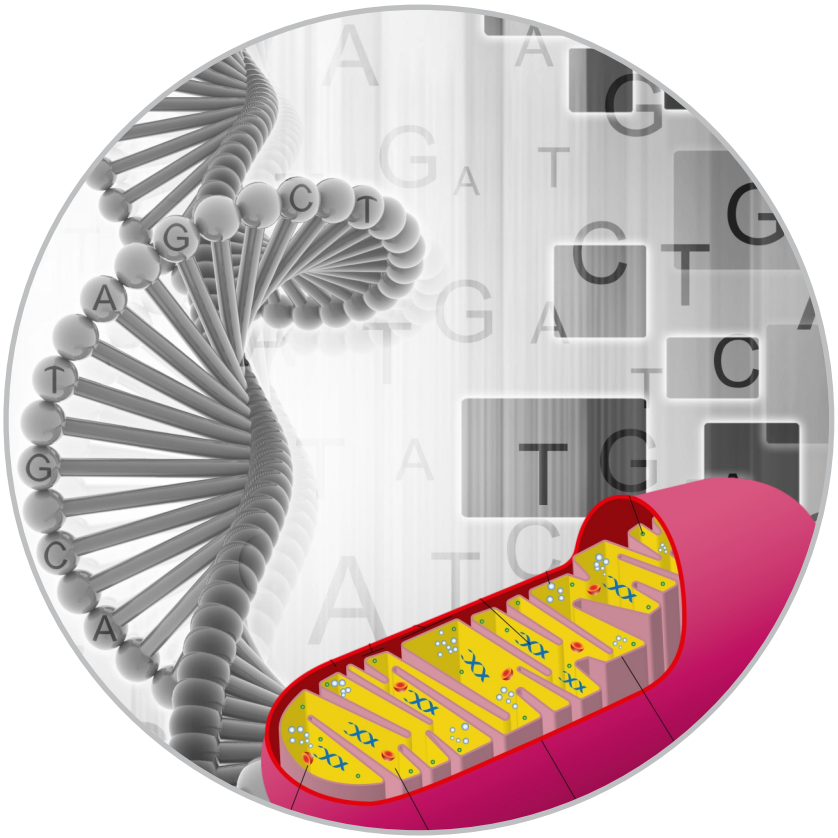
MitoSure

Chromosomally normal embryos are less likely to implant and develop normally if they contain abnormally high levels of mitochondrial DNA.

With MitoSure you will know the levels of mitochondrial DNA in each embryo.

MitoSure is performed simultaneously with 24-chromosome aneuploidy screening (PGS).



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TEST REPORT

Progenesis provides a simple, easy to understand report

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First Name	Eva	DOB	04/20/1975	MitoSure
Last Name	Robertson	Report Date	03/04/2012	
Sample	Karyotype	Gender	Status	Score
EROBS1	46, XX	Female	Normal	3.5
EROBS2	47, XY, +21	Male	Abnormal	7
EROBS3	45, XX, -15	Female	Abnormal	9.5

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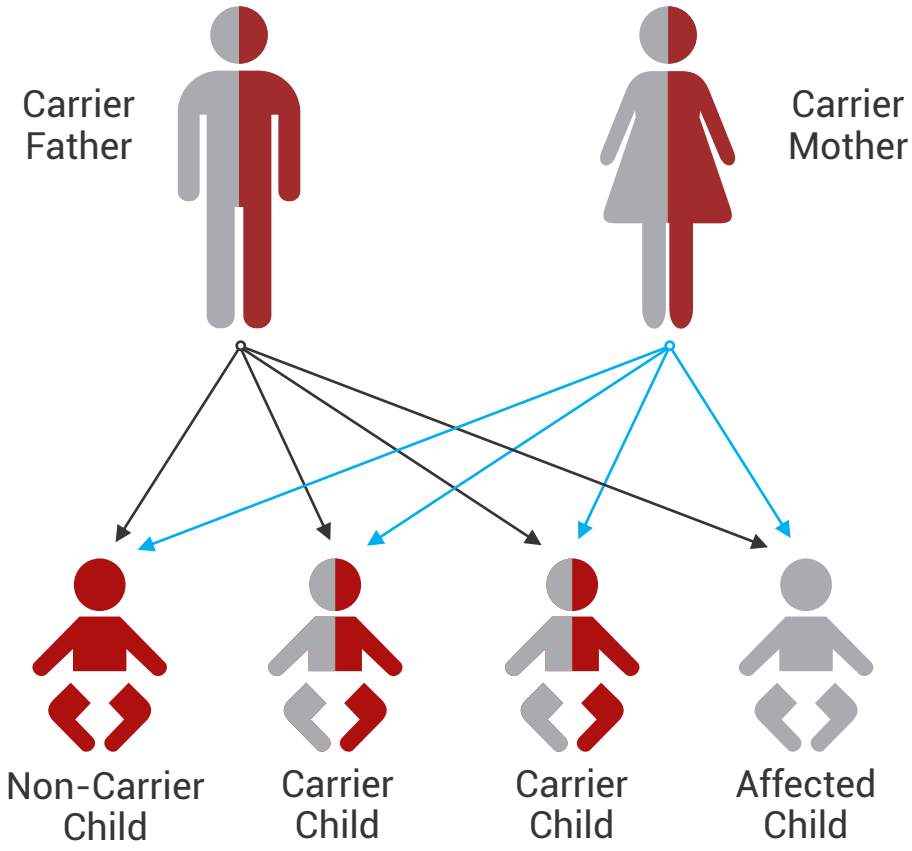
Carrier Screening

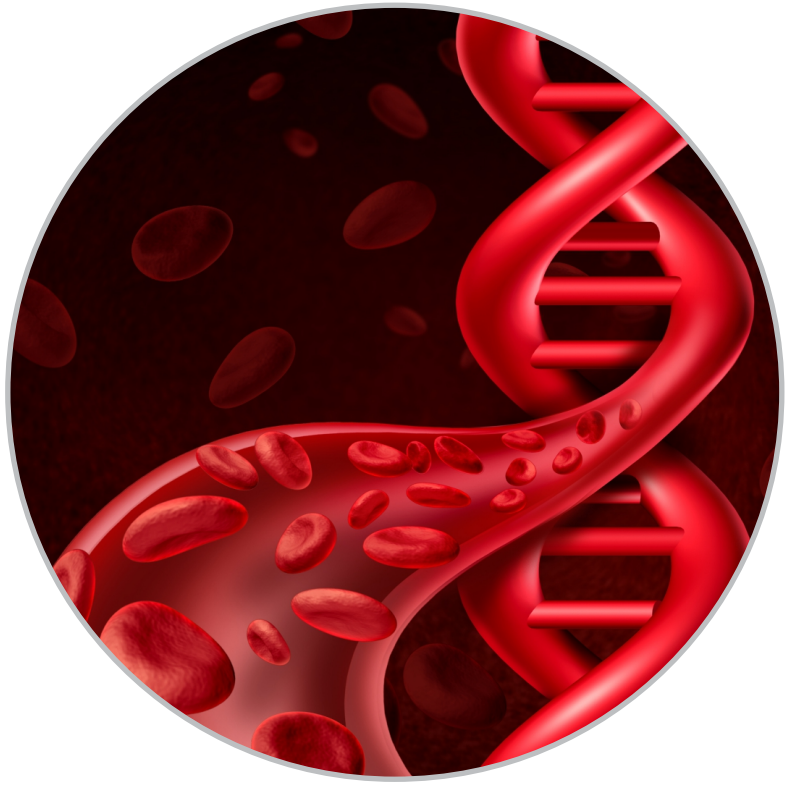
The most comprehensive on the market

- ✓ >99% analytical specificity
- ✓ >99% sensitivity
- ✓ >99% accuracy
- ✓ 100+ disorders
- ✓ Heritable cancer panels
- ✓ Full gene sequencing
- ✓ Next generation sequencing
- ✓ Customizable panels



Non-Invasive Prenatal Testing (NIPT-24)

Now you can test all 24 chromosomes



NIPT can prevent:

- Down Syndrome (Trisomy 21)
- Edwards Syndrome (Trisomy 18)
- Patau Syndrome (Trisomy 13)
- Klinefelter Syndrome (XXY)
- Turner Syndrome (XO)
- Triple X Syndrome (XXX)
- XYY Syndrome
- All other chromosomal aneuploidies

About NIPT-24:

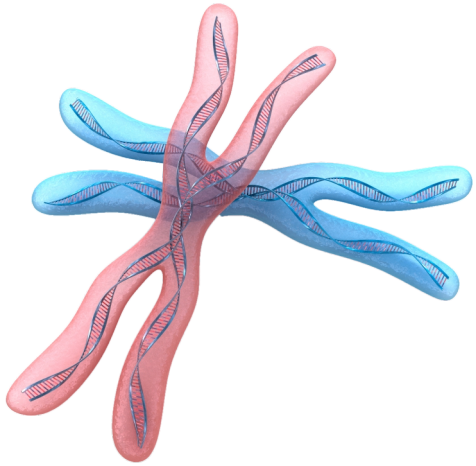
- Non invasive
- Test all 24 Chromosomes
- Safe
- Accurate
- Can be performed at 10 weeks of gestation

Gender Selection

With Next Generation Sequencing

- Detect gender with **99.99%** accuracy
- Detect sex chromosome abnormalities such as:

- ✓ Klinefelter Syndrome (XXY)
- ✓ Turner's Syndrome (XO)
- ✓ Triple X Syndrome (XXX)
- ✓ XYY Syndrome



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Genetic Counseling

We offer genetic counseling to educate families and help them make informed decisions regarding genetic testing

- Preimplantation genetic screening
- Preimplantation genetic diagnosis
- Non-invasive prenatal testing
- Carrier screening

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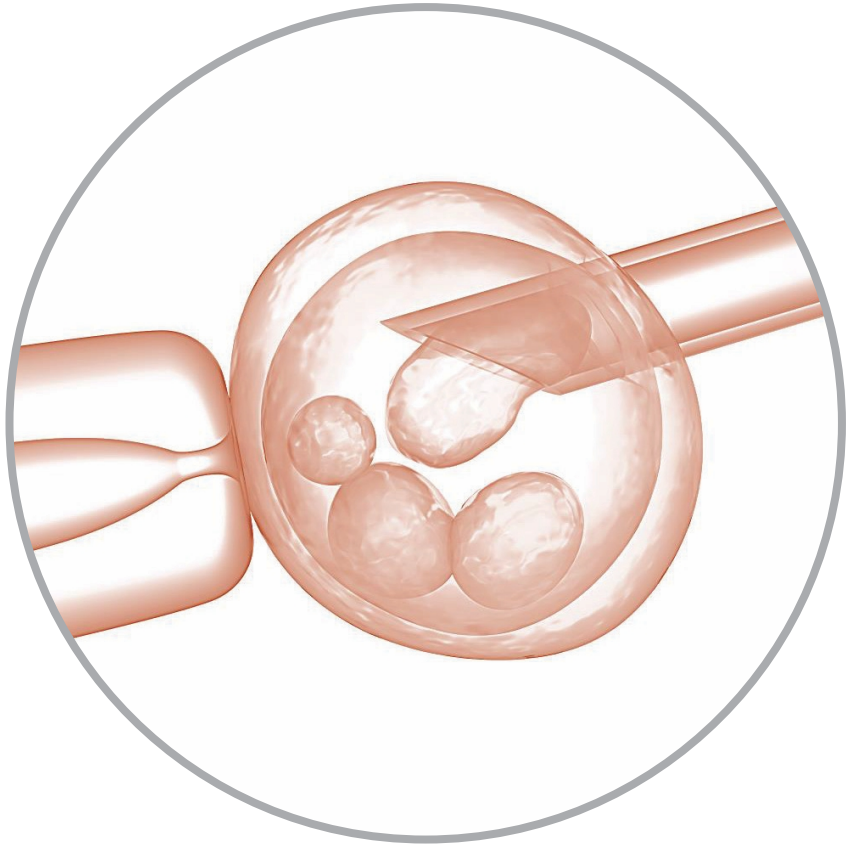

Progenesis utilizes the latest technologies in genetic testing. The scientific team at Progenesis is comprised of experts in genetic testing, including highly skilled geneticists and molecular biologists.

Progenesis

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