CHOOSE THE EXPERIENCE

For the last 50 years *Altamedica Healthcare Center in Rome is the leader in* ***Prenatal Diagnosis*** *as well as in research of* ***fetal diseases****, with a rich list of scientific publications.*

In the ***Molecular Genetics Laboratory*** *we have developed* ***FetalDNA****, a non-invasive prenatal diagnosis test which is the* ***state-of-the-art method****.*

You can choose among 7 levels of investigation, for a ***peaceful pregnancy****.*

1. *Basic Base*
2. *Basic Plus*
3. *Basic Plus +21 Microdeletions*
4. *Karyotype*
5. *Karyotype Plus*
6. *Karyotype Plus + Monogenic Fetal Diseases*
7. *Total Screen*

* *Monogenic Fetal Diseases*
(It may be requested ***separately*** *or* ***in combination*** *with the other levels.)*

Patent *complied with the highest quality standards, for the well-being of the fetus and the mother.*

QUALITY SISTEM MANAGEMENT
UNI EN ISO 9001 Reg. N.7662-A

FETALDNA
THE NEXT GENERATION PRENATAL TEST

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MOD-FDNAE Rev.9 del 31/08/23

FETALDNA
THE NEXT GENERATION PRENATAL TEST

INNOVATIVE
SIMPLE
SAFE

Patent
N. 102018000005623
N. 102018000004527

GENETIC COUNSELLING

What makes FetalDNA special?

Cutting-edge technology and a ***free counselling service.***

The Geneticists from Altamedica Healthcare Center are at your disposal at every stage of the choice, ***before and after carrying out the test.***

You can investigate every single genetic disorder analyzed and choose the ***most suitable level for your needs****.*

Our geneticists are available ***24/7*** *via the dedicated number* ***345.8740439****.*

If you are in ***Rome*** *you can also get a* ***free counselling*** *within the Center.*

Visit the website **www.fetaldna.it**
or send an email to **info@fetaldna.it**

WHAT MAKES FETALDNA SO SPECIAL?

SAFE
It is not traumatic and completely free of abortion risks.

SIMPLE
A blood sample from mother's arm is enough for the analysis of circulating fetal DNA.

ACCURATE
High sensitivity and reliability of the test (99,99% for the main aneuploidies).

INNOVATIVE
FetalDNA is developed by Altamedica specialists and it is analyzed completely in Italy with a patented technology.

FAST
*Results are available **within 5 working days** starting from the arrival of the sample at the Molecular Genetics Laboratory. The days become **8 for levels that include monogenic diseases**.*

EASY TO UNDERSTAND
***NEGATIVE**: no anomalies*
***POSITIVE**: specific anomalies are indicated in the report*

5 LEVELS OF INVESTIGATION, FOR A PEACEFUL PREGNANCY

BASIC
It analyzes the main trisomies (chromosomes **13**, **18** and **21**). **Screening can also be performed as confirmation of traditional bi-test that takes place in the first quarter.**

BASIC PLUS
It adds sex chromosomes **aneuploidies (X and Y)** to basic FetalDNA.

BASIC PLUS + 21 MICRODELETIONS
It adds the investigation of **chromosomes rearrangements** to BASE PLUS finding out the main microdeletions / microduplications syndromes.

KARYOTYPE
It analyzes numerical alterations on all the **23 pairs of chromosomes** of the fetus, including 13, 18 and 21 chromosomes, as well as sexual X and Y chromosome aneuploidies.

KARYOTYPE PLUS
It adds to KARYOTYPE the investigation of **chromosomes rearrangements** also searching for the mutations related to **Maternal Cystic Fibrosis**.

KARYOTYPE PLUS + MONOGENIC FETAL DISEASES
It adds to KARYOTYPE PLUS the investigation of **monogenic fetal diseases** (beta-thalassemia, congenital deafness, achondroplasia etc.)

TOTAL SCREEN
It adds to KARYOTYPE Plus the investigation of **monogenic fetal diseases** and **information about pregnant woman**: **Maternal Cystic Fibrosis, Maternal Hereditary Thrombophilia**, risk of **preterm birth**, **Maternal Spinal Muscle Atrophy (SMA),** risk of **preeclampsia,** presence of **cytomegalovirus** and **toxoplasmic protozoan.**

MONOGENIC FETAL DISEASES
This analysis explores the most important **fetal monogenic diseases** (beta-thalassemia, achondroplasia congenital deafness, etc.)
It may be requested separately or in combination with the other levels.

TABLE COMPARISON

13, 18, 21	X, Y	KARYOTYPE 23 pairs of chromosomes	MICRODELETIONS / MICRODUPLICATIONS SYNDROME	MONOGENIC FETAL DISEASES	MATERNAL CYSTIC FIBROSIS	RISK OF PRETERM BIRTH	MATERNAL HEREDITARY THROMBOPHILIA	SPINAL MUSCLE ATROPHY	RISK OF PREECLAMPSIA	INFECTIVOLOGY (cytomegalovirus and toxoplasmic protozoan)
✓										
✓	✓									
✓	✓		✓							
✓	✓	✓								
✓	✓	✓	✓		✓					
✓	✓	✓	✓	✓	✓					
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
				✓						

FETALDNA: FAQ

What is NIPT?

*The **FetalDNA Non-Invasive Prenatal Test** allows to perform a complete genetic screening of the fetus thanks to the **DNA fragments** circulating within **maternal blood**.*

*Until a few years ago, this screening was linked to invasive techniques (amniocentesis and CVS) but today it can be performed **very accurately without any trauma**.*

When should I take the test?

*Make sure you are beyond the **10th week of pregnancy**, even in the case of **twin pregnancies or medically assisted procreation**.*

*Before blood sampling you will be asked to fill in the **forms** and **informed consent**.*

Where should I make the blood sampling?

*- In Altamedica Centers in **Rome** and **Milan***
*- Throughout Italy, in one of the **partner laboratories***
*- In your **doctor's office** or at **home**.*

How long does it take to receive the results?

*Test results will be available within **5 working days** from the registration of sample. The days become **8 for levels that include monogenic diseases.***

*In case of any positive result from the analysis of NIPT blood sample, Altamedica Laboratory will carry out **for free** the **confirmation test on amniotic liquid / chorionic villi**.*

Upon request, it is possible:

*- to know for free the **sex of the child** for any level.*