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
- 6 Karyotype Plus
- 6 Karyotype Plus + Monogenic Fetal Diseases
- 77 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.













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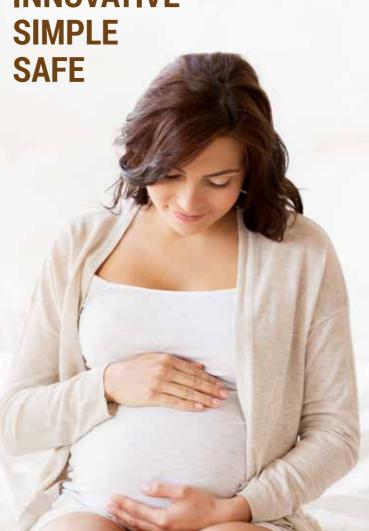
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www.fetaldna.it | info@fetaldna.it



INNOVATIVE



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.

Patent

N. 102018000005623

N. 102018000004527

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

WHAT MAKES FETALDNA SO SPECIAL?



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.



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.



KARYOTYPE PLUS

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



BASIC PLUS

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



KARYOTYPE PLUS + **MONOGENIC FETAL DISEASES**

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

MONOGENIC

FETAL

DISEASES

MATERNAL

CYSTIC

FIBROSIS

RISK OF

PRETERM BIRTH



BASIC PLUS + 21 MICRODELETIONS

It adds the investigation of chromosomes rearrangements to BASE PLUS finding out the main microdeletions / microduplications syndromes



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.

MATERNAL

HEREDITARY

THROMBOPHILIA



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.



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.

INFECTIVOLOGY

(cytomegalovirus

and toxoplasmic

protozoan)

RISK OF

PREECLAMPSIA

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.

the **DNA fragments** circulating within **maternal blood**.

complete genetic screening of the fetus thanks to

The **FetalDNA Non-Invasive Prenatal Test** allows to perform a

When should I take the test?

FETALDNA: FAQ

What is NIPT?

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.



	X, Y	KARYOTYPE 23 pairs of chromosomes	MICRODELETIONS / MICRODUPLICATIONS SYNDROME
)			















SPINAL

MUSCLE

ATROPHY





