FETALDNA
THE NEXT GENERATION PRENATAL TEST

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 (99.9% 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 (8 for the Total Screen) starting from the arrival of the sample at the Molecular Genetics Laboratory.

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

10+

FetalDNA TOTAL SCREEN** is performed after the **10th week of pregnancy**, even in the case of **twin pregnancies or assisted fertilization

For further information and assistance please send an email to commerciale@altamedica.it

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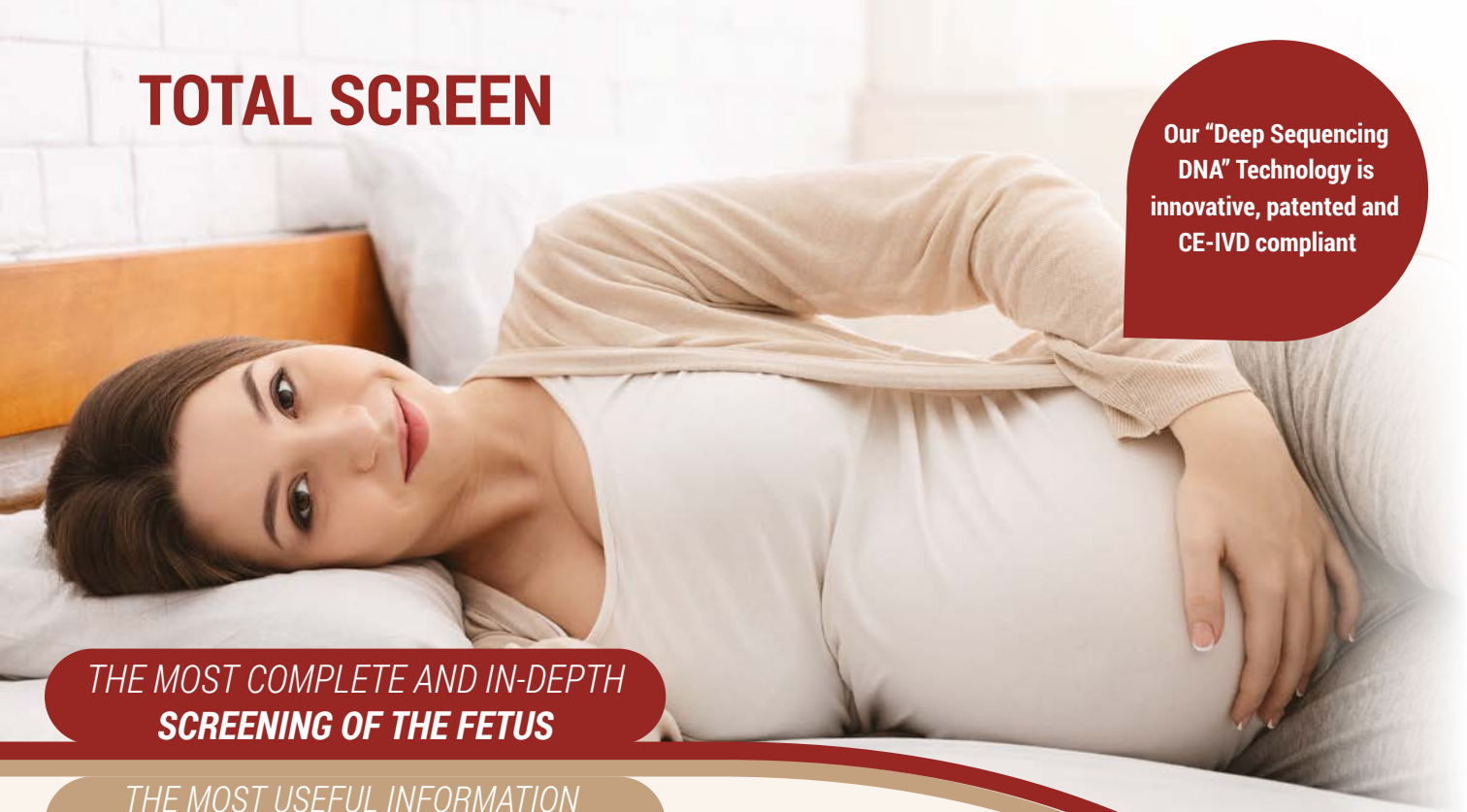
MOD-FTOSE Rev.2 del 30/03/2022

FETALDNA
THE NEXT GENERATION PRENATAL TEST

TOTAL SCREEN
The most complete genetic screening

FOR THE FETUS **FOR THE MOTHER**

TOTAL SCREEN



Our "Deep Sequencing DNA" Technology is innovative, patented and CE-IVD compliant

THE MOST COMPLETE AND IN-DEPTH
SCREENING OF THE FETUS

THE MOST USEFUL INFORMATION
FOR A SAFE PREGNANCY

It is the most innovative non-invasive prenatal screening test based on the analysis of free fetal DNA circulating on maternal blood.

An investigation that goes beyond all the NIPT tests on the market, finding diseases that have not yet been identified through non-invasive diagnosis until now: ***16 fetal monogenic diseases, inherited from parents or ex-novo.***

FetalDNA Total Screen *provides to the gynecologist the* ***whole picture on health status of the fetus and the mother****.*

It is the ***most accurate*** *level of the FetalDNA line, because it includes the screening of maternal DNA: maternal cystic fibrosis, risk of preterm birth, preeclampsia, hereditary maternal thrombosis, SMA, toxoplasmosis and cytomegalovirus*

To live pregnancy with serenity and awareness.

For further information and assistance in managing the results, please send an email to ***commerciale@altamedica.it***

- **FETAL SEX IDENTIFICATION** (upon request)
- **MOST COMMON CHROMOSOME ALTERATIONS**
  21 (Down syndrome), 18 (Edwards syndrome) and 13 (Patau syndrome)
- **SEXUAL CHROMOSOMES ANEUPLOIDIES**
  chromosomal aneuploidies related to sex chromosomes X, Y (Turner Syndrome, Klinefelter Syndrome, etc.)
  X-linked Monosomy
- **FETAL ANEUPLOIDIES**
  Screening of 23 chromosomes with the highest resolution
- **MICRODELETIONS – MICRODUPLICATIONS SYNDROMES**
  (copy number variation cnv)

Wolf-Hirschhorn syndrome	HNPP Syndrome
Jacobsen syndrome	18q deletion syndrome
1p36 deletion syndrome	Alagille syndrome
Angelman syndrome	Rubinstein-Taybi syndrome
DiGeorge syndrome	WAGR syndrome
Cri-du-chat syndrome	Potocki-Shaffer syndrome
Langer-Giedion syndrome	Sindrome di Miller-Dieker
Smith-Magenis syndrome	1q21.1 deletion syndrome
Prader-Willi syndrome	Kleefstra syndrome (KS)
Williams syndrome	Phelan-Mcdermid syndrome
Koolen-de Vries syndrome	

- **FETAL MONOGENIC DISEASES**
  (both inherited or ex-novo)

Fetal Cystic Fibrosis	Apert syndrome
Congenital deafness	Crouzon syndrome
Beta-thalassemia	Pfeiffer syndrome
Classical congenital adrenal hyperplasia	Leopard syndrome
Hemochromatosis	Noonan syndrome
Achondroplasia	Phenylketonuria
Hypochondroplasia	Rett syndrome
Thanatophoric dysplasia	Autosomal recessive polycystic kidney

- **MATERNAL SPINAL MUSCULAR ATROPHY (SMA) DIAGNOSIS**
  Deletion of exons 7 and 8 of the SMN1 gene
- **SCREENING FOR PRE-TERM BIRTH GENETIC PREDISPOSITION**
  (patented and CE-IVD validated test)
- **MATERNAL CYSTIC FIBROSIS**
- **BIOCHEMICAL MARKERS FOR PREECLAMPSY RISK**
  Dosages: Placental Growth Factor (PIGF) and Pregnancy Associated Protein A (PAPP-A)
- **HEREDITARY MATERNAL THROMBOPHILIA**
  Factor II - Leiden V factor - MTHFR (C677T-A1298C) - PAI-1
- **MATERNAL INFECTIOUS DISEASE**
  Diagnosis of toxoplasmosis and cytomegalovirus (circulating DNA)