What are the advantages?

- **Only one sample of the mother's blood required.**
- **100% safe for the mother and fetus.**
- **Reliable result from week 10 of gestation.**
- **Short turnaround time: results in 3-7 days.**
- **The most sensitive test on the market.**
- **Lowest rate of not obtaining any result: <0,1%.**
- **Results obtained even with fetal fraction at <4%.**
- **Detailed assessment of fetal fraction.**
- **Valid in cases of in vitro fertilisation, and pregnancies from donated oocytes and twin pregnancies.**
- **For any ethnic group and any body mass index.**

Pre and post test genetic counselling

Personalised assessment with:

- Dra. Camprubí, Molecular Geneticist and specialist in Reproductive Genetics.

VeriRef® analyses the risk of aneuploidies existence in chromosomes 13, 18, 21, X and Y in the fetus.

Test code: 16200

Sample requirements:
- 5-10 mL maternal blood

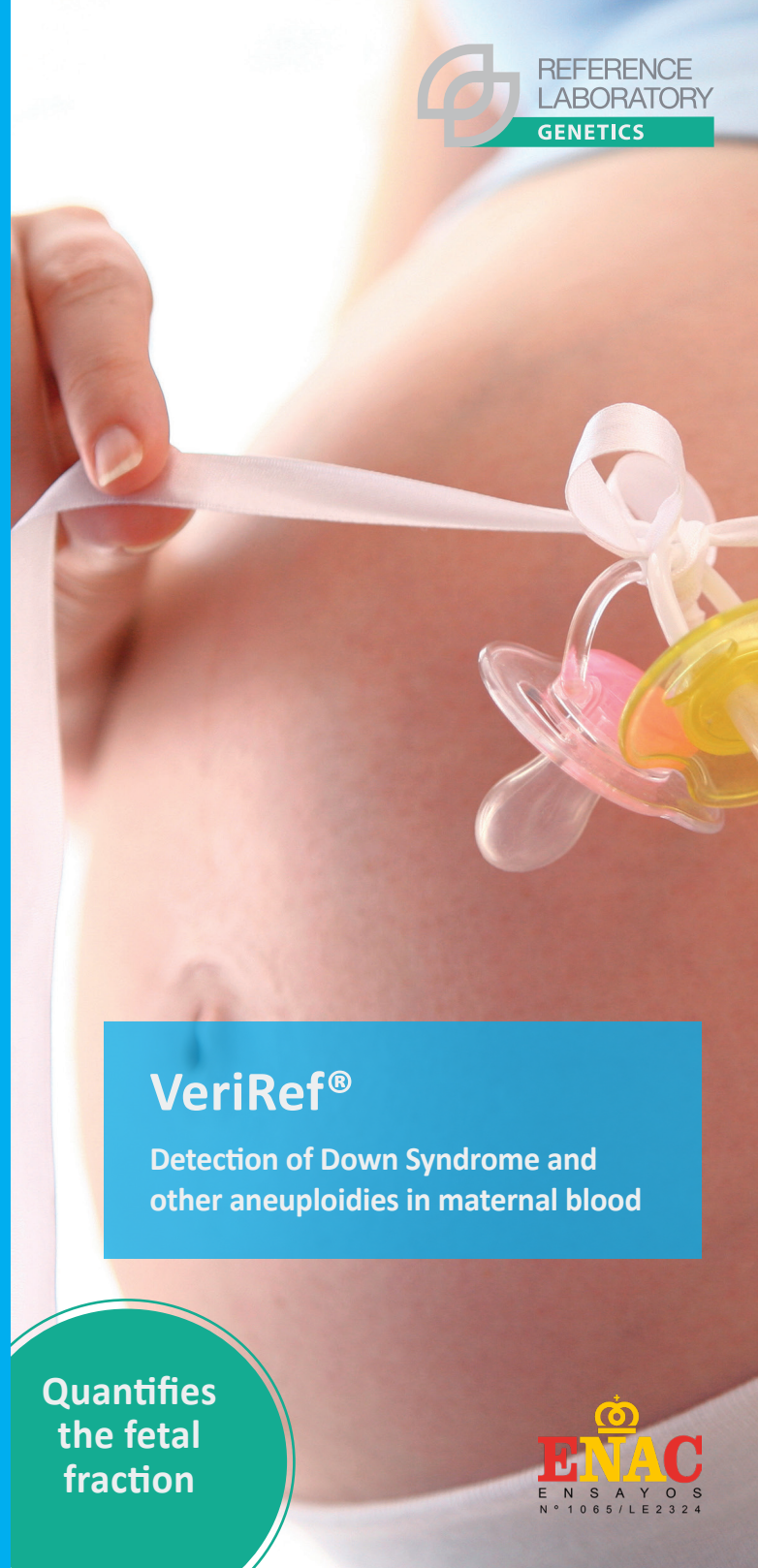
It is mandatory to send the informed consent with the sample

REFERENCE LABORATORY GENETICS

C/ Pablo Iglesias, 57
08908 Hospitalet de Llobregat
Barcelona · (+34) 932 593 700
www.referencelaboratory.es

veriref.s.ENT1218

REFERENCE LABORATORY GENETICS



VeriRef®

Detection of Down Syndrome and other aneuploidies in maternal blood

Quantifies the fetal fraction

ENAC ENSAYOS Nº 1065/LE2324

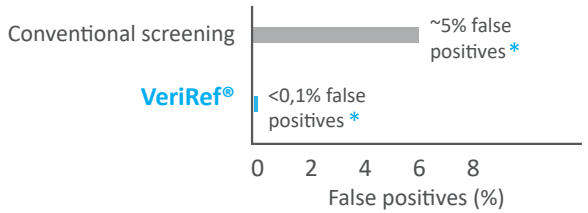
What does VeriRef®consist of?

VeriRef® is a laboratory test that analyses the risk of aneuploidies on chromosomes 13, 18, 21, X and Y in the fetus, by studying the the fetal DNA in maternal blood.

VeriRef® combines the most advanced technology for DNA sequencing (sequencing of the whole genome) with conclusive and reliable reports, validated by our geneticists.

Avoid unnecessary invasive tests

Compared with conventional combined screening, which shows ~5% of false positives, VeriRef® has the lowest rate of false positives (<0,1%), even with fetal fraction <4%, avoiding a high number of unnecessary invasive tests.



* Results based on Trisomy 21.

What does VeriRef® include?

From week ten of gestation, **VeriRef®** detects possible aneuploidies of chromosomes 13, 18, 21, X and Y. It also shows the fetal sex.

- ✔ Aneuploidies in chromosomes 13, 18, 21, X and Y
- ✔ Fetal sex

In cases of a high risk result, we immediately notify the prescriber centre and offer free confirmation via QF-PCR or aCGH testing, by using a sample of amniotic fluid or chorionic villus.

The reliability of our results secures our reputation as the laborotory of reference in special analysis.

Indications

- Older mother.
- High risk result in biochemical screening.
- Suggestive ecographic traces of chromosomal alteration.
- Previous history of pregnancy with chromosomal alteration.

The test with the highest level of sensitivity

VeriRef® is the most sensitive test on the market, with the lowest rate of not obtaining results (< 0,1%) and the lowest rate of false positives (< 0,1%).

Alteration	Sensitivity (%)	Specificity (%)
Down Syndrome (21)	>99,9	99,9
Edwards Syndrome (18)	98,3	99,9
Patau Syndrome (13)	98,2	99,9
Monosomy X	95,0	99,0
XX	97,6	99,2
XY	99,1	98,9