NACE 24 Non-invasive Prenatal Test

Igenomix® WITH SCIENCE ON YOUR SIDE

NACE 24 is a non-invasive prenatal screening test that analyses changes in every chromosome for a more complete evaluation.

1. IT PROVIDES NEW INFORMATION NOT CONSIDERED IN BASIC TESTS

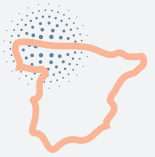
- IUGR, premature birth, intrauterine foetal death, foetal mosaicism.
- The new technology enables both aneuploidies (mainly trisomy) and deletions and duplications over 7Mb to be analysed.
- This allows for an increased ability to detect not only high-risk pregnancies but also other potentially clinically relevant conditions such as true foetal mosaicism, uniparental disomies and chromosomal imbalances, when the parents are carriers of balanced translocations.
- The prevalence of alterations in chromosome 21 is comparable to the prevalence found in the rest of the chromosomes as a whole (RATs).

PREVALENCE COMPARISON T.21 VS RATs (RARE AUTOSOMAL TRISOMIES)

2. REDUCTION IN THE NUMBER OF UNNECESSARY AMNIOCENTESIS TESTS VS COMBINED SCREENING

- As with basic tests, extended screenings offer trustworthy information so there is no need to use invasive techniques.

(1) Bianchi DW et al. N Engl J Med. 2014
(2)Internal Igenomix data on a casuistry of 40,000 tests



3. CONDUCTED ENTIRELY IN SPAIN

- Quicker results which improves the clinical management of the patient.
- Minimises the risk of logistical problems.

4. GENETIC GUIDANCE FOR SPECIALISTS

- Throughout the process including direct helpline for gynaecologists.
- Necessary for interpreting extended panels.

www.igenomix.eu

v. 2021

Limitations of the NACE 24 test

	Trisomy 21	Trisomy 18	Trisomy 13	Rate autosomal aneuploidy (RAA)	Partial deletions and duplications
Sensitivity	>99.9%	>99.9%	>99.9%	96.4%	74.1%
Specificity	99.90%	99.90%	99.90%	99.80%	99.80%

Fetal sex classification concordance		
100% XX	100% XY	90.5% XO
100% XXX	100% XXY	91.7% XYY

SCIENTIFIC EVIDENCE

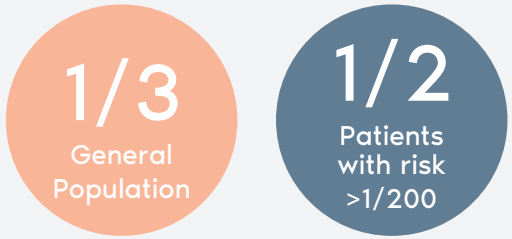
Additional information not considered in basic tests:

Pertile MD et al. Sci Transl Med. 2017
Van Opstal D et al. Genet Med. 2018
Shaffer LG et al. Prenat Diagn. 2012
Liang D et al. Genet Med. 2019.

RISK OF FOETAL MOSAICISM IN PATIENTS WITH NACE 24 ALTERED FOR RATs

RATs: rare autosomal trisomies (trisomies in the autosomes, except 21, 18 and 13)

RISK OF PATHOGENIC DELETION OR DUPLICATION IN PATIENTS WITH NACE 24 ALTERED FOR CNV.*



(*) Copy number variation