

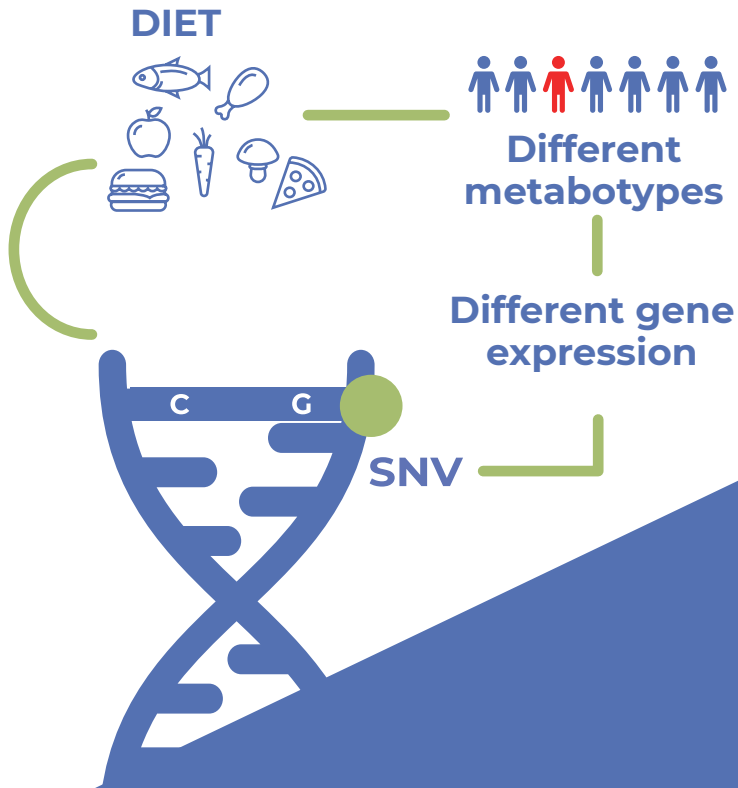


Tailor-made  
nutrition



Biomnis

**A balanced diet plan may be inadequate** if the individual has an altered response to specific nutrients.



## **NUTRIGENETICS>>>>**

is a branch of PREDICTIVE MEDICINE that supports the specialist in advising the patient on the best and healthiest diet and lifestyle to lead, based on the individual genetic profile.



# 3

lines of  
analyses

It is a new nutrigenetics test that investigates the presence of specific variants in order to offer to the specialist useful information for a customised dietary approach.

The logo for Nutrinext Intolerance, featuring a stylized blue and orange DNA helix icon to the left of the word "Nutrinext" in a bold, sans-serif font. Below "Nutrinext" is the word "INTOLERANCE" in a smaller, all-caps font, underlined.The logo for Nutrinext Health, featuring a stylized blue and green DNA helix icon to the left of the word "Nutrinext" in a bold, sans-serif font. Below "Nutrinext" is the word "HEALTH" in a smaller, all-caps font, underlined.The logo for Nutrinext Sport & Wellness, featuring a stylized blue and orange DNA helix icon to the left of the word "Nutrinext" in a bold, sans-serif font. Below "Nutrinext" is the words "SPORT & WELLNESS" in a smaller, all-caps font, underlined.

## 1 SOLID SCIENTIFIC BASES in the selection of genes to be investigated



- Meta-analysis
- Updated literature
- Large population studies
- Statistical strength
- Different ethnicities

## 2 BIOINFORMATIC ALGORITHM

Each variant does not affect the phenotype to the same extent. On the specific trait investigated, we have evaluated the weight of each variant for then giving, through a **PROPRIETARY ALGORITHM**, an overall result that reflects the real risk.

### Your genetic profile



Examined gene	Genotype	Evaluation
IL-6 : rs1800795	G/G	●
TNF-a : rs1800629	G/G	●
COL1A1 : rs1800012	G/G	●
COL5A1 : rs12722	C/C	●
IGF2 : rs680	G/G	●

Outcome of the trait



## 3 NEW NUTRINEXT REPORT

- Description of the trait investigated
- Genetic result of the single investigated variants
- Overall genetic data per panel
- Description of risk class
- Expert's advice based on the patient's genetic profile



## Legend

**Effect** (positive, neutral, negative) of each genotype on the trait under investigation

### Risk class

Overall score from 1 (unfavourable) to 5 (favourable) for the trait under investigation



unfavourable

neutral

favourable



## Intolerance line tests

- ✓ Coeliac disease predisposition
- ✓ Lactose intolerance
- ✓ Metabolism of caffeine
- ✓ Nickel sensitivity
- ✓ Alcohol sensitivity
- ✓ Histamine sensitivity

● **Intolerance COMPLETE**  
evaluation of  
all the sensitivities  
and intolerances  
included in the line.

The response to certain types of nutrients can be influenced by specific gene variants.

These variants may make **people more sensitive to a particular food**, either negatively, manifesting symptoms more or less clear, or positively.

## Indicated for:



**Intolerance tests** are indicated for those who present typical symptoms caused by the main sensitivities and food intolerances (increase or loss of appetite, dizziness, colic, abdominal cramps, bloating, drowsiness, itching, poor digestion, etc.) or in case of a family history.

In some cases, intolerances appear in subclinical form impacting on organs or systems (e.g. reproductive system in cases of an unmanaged celiac disease).

## What are the advantages?

- To exclude/manage foods to which the subject shows sensitivity
- To avoid an unsuitable diet plan
- To timely identify individuals at risk
- To have a complete clinical picture of the client





## Health line tests

- ✓ Homocysteine metabolism
- ✓ Cardiovascular health
- ✓ Bone health
- ✓ Inflammatory response
- ✓ Detox

● **Health Complete**  
evaluation of all the variants investigated in the panels of the line.

This line proposes an investigation into the specific **risk factors** related to different conditions **able to impact on people's health**.



## Indicated for:



**Health Line tests** are indicated for those people who as a result of a given symptomatology, family history or age wish to investigate their risk class on a specific trait.

The test is available in its **complete** form in a pathway of prevention and preservation of the wellbeing state.

## What are the advantages?

- To timely identify the risk of developing conditions that may be prevented with a diet
- Reinforce the diet with nutrients that can improve the individual's state of well-being
- Offer an assessment of the client's general health status



The Sport line is designed for all those people who **practice physical activity** for their state of health.

## Sport & Wellness line tests

### SPORT PANEL

- Genetic predisposition to a specific type of sport (power, endurance, speed).
- Susceptibility to injury (tendon injuries and susceptibility to tendinopathies and osteopathies).
- Predisposition to overcome stressful situations in a competitive environment.

### METABOLIC HEALTH

- Predisposition to overweight and obesity.
- Predisposition to Type 2 Diabetes.
- Predisposition to develop Metabolic Syndrome.
- Cardiovascular risk linked to hyperlipidaemia, high levels of triglycerides and/or increased cholesterol levels.

### Sport & Wellness COMPLETE

evaluation of all the variants investigated in the panels of the line.

## Indicated for:



The traits of the **Sport Panel** are particularly recommended for those people who practice sports both at a competitive and amateur level to improve the response to training.

The **metabolic health** panel is useful to establish the lipid and glucose profile and to understand how training and diet can influence the onset of certain diseases or optimise weight loss.

## What are the advantages?

- To customize your 24-hour nutrition based on your sport, training needs.
- To detect physical activity that allows to achieve the desired results more rapidly
- To maximize workout results
- To reduce the risk of injuries

**How to perform the test:**

Simple buccal swab, executable even self-sampling.

**Contents of the box:**

- Buccal swab
- Informed consent
- Instructions for collecting, storing and sending the sample
- Test requisition form
- Courier pickup envelope

**Reporting times:**

10 - 20 working days.

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