

▶ Immune System Th1 / Th2 Profile

It is a valuable aid mainly to patients with autoimmune diseases and other disorders of the immune system, so that appropriate individualized therapeutic interventions can be designed. The test finds imbalances in the immune system by checking for specific cytokines, i.e., proteins that the immune system uses to communicate with its cells. Knowing the Th1 / Th2 balance in relation to the underlying disease, appropriate therapeutic manipulations can be made to restore the immune balance.

▶ Chronic Inflammation Profile

Diagnostiki Athinon's chronic inflammation profile is the only way to check chronic inflammation, an insidious, symptom-free, and pathological condition. Chronic inflammation contributes to the pathogenesis of at least **seven of the ten main causes of death** in the Western world (heart diseases, cancer, chronic respiratory diseases, strokes, Alzheimer's disease, diabetes mellitus, kidney diseases) and the **aging** of the organism.

Chronic inflammation is a degenerative process and is an important factor in the development of degenerative diseases and the loss of important body functions. Chronic, low-level inflammation, due to its silent nature (does not produce symptoms), multiplies its destructive power. Chronic inflammation can go undetected for years or even decades, destroying cellular functions throughout the body. Because chronic inflammation is significantly involved in the decline of functions related to the aging process, the term "**inflammaging**" was coined, i.e., "**inflammation-aging**".

With appropriate therapeutic interventions (lifestyle, diet, supplements, drugs) the body can return to normal.

How is it performed?

ImmuneScan® is easy to perform and can be done:

By appointment at Diagnostiki Athinon.
Book your appointment in real-time and purchase the test online at eshop.athenslab.gr

By sending a sample collection kit via courier.
Purchase the test online at eshop.athenslab.gr

Addressed to our partners throughout Greece

We find the causes. You choose the solutions!

Diagnostiki Athinon is a laboratory
certified with **ISO 9001:2015**



DIAGNOSTIKI ATHINON

Clinical & Research Laboratory

📍 6 Mesogeion Avenue, Ampelokipoi 115 27, Athens

☎ +30 210 7777654 🌐 athenslab.gr



IMMUNE SYSTEM TESTS

Learn everything about your immune system and protect your body!

What is the immune system?

The immune system is an amazing network between cells and proteins that work together harmoniously to provide defense against infections in the body. These cells and proteins do not form a single organ like the heart or liver but are scattered throughout the body to provide a rapid response to possible infections.

The immune system is divided into two major subsystems: the **endogenous or innate** and the **adaptive or acquired** immune system.

The immune system can recognize and remember millions of different invaders and can produce molecules and cells completely specific to each invader. The secret to its success is the complex and highly dynamic communication network. Millions of cells, organized into sets and subsets, gather around the invaders and relay information to one another. Once the cell receives the message, it starts producing powerful chemical molecules. These substances allow the cells themselves to regulate their development and activity, regulate the activity of other cells, and direct new cells to the problematic areas.

In which diseases is the immune system involved?

In order for the human body to function properly, it needs an intact immune system that will work in a coordinated and effective manner, recognizing and destroying only harmful **internal** and **external** invaders (viruses, microbes, parasites, fungi, cancer cells) and at the same time, this reaction should be limited to the absolutely necessary and not be destructive for the normal tissues.

- ▶ When the immune system is overactive and strongly reacts against internal targets then **autoimmune disorders** are developed
- ▶ When the immune system is overactive and strongly reacts against external targets, **hypersensitivities** (e.g., allergies) are developed
- ▶ When the immune system is weak and sluggish and does not react against internal targets, i.e., it cannot recognize and remove neoplastic cells, then **cancer** develops
- ▶ When the immune system is weak and sluggish and does not react against external targets, then **chronic and recurrent infections** from microbes, viruses, parasites, and fungi are developed

Who should test with ImmuneScan®

- ▶ People suffering from an autoimmune disease or when there is a family history of autoimmunity
- ▶ Those suffering from unexplained allergies, intolerances, and frequent infections
- ▶ Those who want to prevent the appearance of diseases of the modern lifestyle

ImmuneScan® tests

▶ Immune System Basic Profile

It includes testing the integrity of the endogenous or innate as well as the adaptive or acquired immune system.

▶ Immune System Comprehensive Profile

It includes testing the integrity of the innate and adaptive immune systems and additionally measuring the immune cell communication molecules Interleukin 10, Interleukin 2, and Tumor Necrosis Factor-alpha (TNFα).

How strong are your
body's defenses?

