

# IMMUNITY 101

## WHY DO SOME PEOPLE FIGHT INFECTIONS SO EASILY WHILE OTHERS GET REALLY SICK?

Immunity is a very personal thing. It is based on our biochemical individuality—all the decisions we make, genes we express, nutrients we absorb, medications we take, food we eat, stresses we encounter—it can all affect immunity.

Your ability to respond to infections—viral, bacterial, parasitic—depends on how **STRONG** and **ADAPTABLE** your immune system is. Here is where the lymphocyte comes in...



## WHAT IS A LYMPHOCYTE?

A lymphocyte is a type of white blood cell that fights infections. These are the workhorses of the immune response.

### HOW IMMUNE RESPONSE WORKS

-  1. Something comes along and signals the lymphocyte to get into action mode, ready to fight pathogens
-  2. The lymphocyte detects the pathogen and promptly starts to multiply so it can build a cellular army to fight off the infection
-  3. Once the army of lymphocytes is formed, they travel throughout the body to areas where they are needed, detect abnormal things floating around (virus/bacteria) and destroy them

### TIP: Your immune response can be tested!

Specific blood tests can stimulate lymphocytes to determine how strong their ability to respond to outside threats actually is.

A component of SpectraCell's Micronutrient Test—**IMMUNIDEX**—does just that, and provides you with an immune response score.



## SPECTRACELL'S MICRONUTRIENT TEST INCLUDES IMMUNIDEX

This unique test uses lymphocytes to assess nutritional status. In fact, the first step in this remarkable test is to **QUANTIFY IMMUNE FUNCTION**. That's right—Spectracell assesses the strength and adaptability of a person's immune system before nutritional deficiencies are even measured—**ON EVERY SAMPLE**.

### THIS IS HOW IT WORKS

1. Obtain a sample of the patient's blood
2. Physically remove (isolate) the lymphocytes from the blood
3. Introduce the lymphocytes to a nutritionally perfect environment that is designed to support their growth
4. Add a chemical that tricks the lymphocytes into thinking they need to ramp up
5. Measure how well they respond (how fast they can grow)

SpectraCell has been measuring lymphocyte response for decades! It is an integral part of the micronutrient test because immune function is an integral part of health!

*Find out what your Immune Response Score is TODAY!*