

# MICROBALANCE

ASSESSMENT OF GUT BACTERIAL IMBALANCE



+971 4 37 57 220

[www.bioinst.ae](http://www.bioinst.ae) - [info@bioinst.ae](mailto:info@bioinst.ae)

Al Razi Building n.64 - Block B  
Dubai HealthCare City - Dubai - UAE





**DID YOU KNOW THAT YOUR OVERALL HEALTH DEPENDS ON THE BALANCE OF YOUR GUT MICROBIOTA ?**

### WHAT IS GUT MICROBIOTA?

Gut microbiota (community of microorganisms living in the gut) acts as a shield against pathogens and is crucial for the immune system functioning. It plays a fundamental role in:

- » the digestion and the absorption of fiber and minerals.
- » regulating the immune and metabolic responses.
- » the synthesis of vitamins and amino acids.
- » detoxification of carcinogenic molecules.
- » the colonization of a newborn's gut during vaginal delivery.

### WHY DO THE TEST?

Bacterial imbalance is a hallmark of acute infections of the gastrointestinal tract and is associated with chronic kidney disease, pelvic inflammatory conditions, allergy, asthma, urogenital infections, mood, stress, anxiety, cancer, and critical factors associated with cardiovascular diseases. Also, to modulate weight loss or gain and obesity-associated disorders.

**MICROBALANCE** is a test that analyzes the balance of the bacteria residing in the gut and provides a detailed microbiome (genome of the microbiota) profile.

### WHO NEEDS TO DO THE TEST?

**MICROBALANCE** is recommended in cases of:

✓ Obesity	✓ Stress
✓ Nutritional therapy	✓ Pharmacological treatments
✓ Poor lifestyle	✓ Hormone therapy
✓ Alcohol	✓ Drug use
✓ Colitis	✓ Constipation & flatulence
✓ Recurrent diarrhea	✓ Intestinal irregularity
✓ Urogenital infections	✓ Irritable bowel syndrome



### HOW IS THE TEST DONE?

The collection of the stool sample for the **MICROBALANCE** test can be carried out comfortably at home using the kit provided by Bioscience Clinic.

The sequencing of the genes of the microbes living in the gut is done by the laboratory of Bioscience Institute located in Rome University using Next Generation Sequencing technology.

