



## CYTOKINE PANEL - Test Code 4004



Turnaround Time: 12-15 Business Days



Specimen Type: SST Blood

### Description

The Cytokine Panel is designed to measure various cytokines—small proteins that play a crucial role in cell signalling and the immune response (Jarczак & Nierhaus, 2022). By evaluating these proteins, healthcare providers can gain valuable insights into inflammatory processes and immune system function, helping to diagnose and monitor a range of health conditions.

Cytokines are involved in numerous physiological processes, including inflammation, immune regulation and the response to infection (Jarczак & Nierhaus, 2022). Abnormal levels of cytokines can indicate chronic inflammation, autoimmune disorders or infections. For example, elevated levels of pro-inflammatory cytokines may be associated with conditions such as rheumatoid arthritis, inflammatory bowel disease and certain cancers (Jarczак & Nierhaus, 2022).

This panel typically assesses both pro-inflammatory and anti-inflammatory cytokines, providing a comprehensive overview of the body's immune status. By understanding cytokine profiles, healthcare providers can tailor treatment strategies, monitor disease progression and evaluate the effectiveness of therapies.

If you are experiencing symptoms related to immune dysfunction or chronic inflammation, the Cytokine Panel can offer crucial insights into your health, enabling you and your healthcare provider to make informed decisions for optimal management and care.

### Whats included?

- IL-1B, IL-2, IL-4, IL-5, IL-6, IL-7, IL-8, IL-10, IL-12, IL-13, IL-17, GM-CSF, IFNg, TNFa, TNFβ

### Conditions and Symptoms

- Joint pain and inflammation
- Low grade fever
- Anxiety, depression, fatigue
- Gastrointestinal issues
- Skin rashes
- Impaired immune response
- Infertility or difficulty conceiving

### Complementary Testing

- Autoimmune Assessment- Comprehensive (Test code 3431)
- Advanced Microbiome Mapping (Test code 2211)

### Accreditations Include:

- NATA ISO 15189 – Requirements for Quality and Competence in Medical Laboratories\*
- CLIA – Clinical Laboratories Improvement Amendments\*



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scan the QR code



\*See NATA and CLIA website for further details