



Cytokine Response Profile

Advanced Cytokine Assessment for Immune Function & Inflammation

The **CytoDx® Cytokine Response Profile** is a comprehensive cytokine panel that evaluates 40 key pro-inflammatory, anti-inflammatory, and immune-regulating cytokines involved in immune activation, inflammatory signaling, immune balance, and chronic inflammatory activity.

Cytokines are signaling proteins and play critical roles in communication between immune cells and help coordinate inflammatory responses, immune regulation, tissue repair, and host defense. When cytokine signaling becomes dysregulated, it may contribute to immune dysfunction, autoimmune activity, allergic responses, and complex multisystem presentations.

The CytoDx Cytokine Response Profile Evaluates Cytokines Associated With:

- Immune activation and immune regulation
- Inflammatory signaling and inflammatory burden
- Th1, Th2, and Th17 immune balance
- Treg immune tolerance
 - » Autoimmune and chronic inflammatory pathways
 - » Allergic and mucosal immune responses
 - » Innate and adaptive immune coordination
- Vascular remodeling

RESULTS MAY HELP PRACTITIONERS PERSONALIZE PROTOCOLS THAT SUPPORT IMMUNE BALANCE, INFLAMMATORY REGULATION, AND IMPROVED PATIENT OUTCOMES.

Evaluate Immune Function & Inflammatory Signaling with CytoDx!



Learn more at www.diagnosticsolutionslab.com



Connect with Us!



RESEARCH. TECHNOLOGY. RESULTS.

Acute Inflammation

Associated with early inflammatory signaling, innate immune activation, and acute tissue response.

- GM-CSF
- IL-1 α
- IL-1 β
- IL-6
- TNF- α

Chemokines

Involved in chemokine signaling and immune cell trafficking to sites of inflammation and tissue activity.

- Eotaxin (CCL11)
- Eotaxin-3 (CCL26)
- IL-8 (CXCL8)
- IP-10 (CXCL10)
- MCP (CCL2)
- MCP-4 (CCL13)
- MDC (CCL22)
- MIP-1 α (CCL3)
- MIP-1 β (CCL4)
- TARC (CCL17)
- RANTES (CCL5)

Adaptive Immune Activity

Th1

Associated with viral and bacterial defense, macrophage activation, and cellular immune responses.

- IFN- γ
- IL-2
- IL-15
- TNF- β
- IL-12p70
- IL-12/23p40 (Th1/Th17)

Th17

Associated with mucosal and gut barrier defense, gut and skin immune responses.

- IL-17A
- IL-12/23p40 (Th1/Th17)

Th2

Associated with allergic responses, IgE signaling, eosinophil activation, and anti-parasitic immune activity.

- IL-4
- IL-5
- IL-13

Other

Chemoattractant associated with T cell recruitment.

- IL-7

Anti-Inflammatory/Regulatory/Immune Tolerance

Associated with immune tolerance, immune modulation, and resolution of inflammatory activity.

- IL-10
- IL-16

Vascular Injury

Associated with vascular inflammation, endothelial activation, and tissue injury responses.

- CRP
- sICAM-1
- SAA
- sVCAM-1

Angiogenesis

Associated with vascular remodeling, tissue repair, and angiogenic signaling.

- bFGF
- sFLT-1
- PIGF
- Tie-2
- VEGF-A
- VEGF-C
- VEGF-D

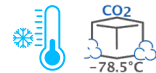
** Exact number of analytes reported may differ from those shown on this page.*

Results should be interpreted in the context of the patient's full clinical presentation, medications, and additional laboratory findings.



The assays in CytoDx® were developed, and/or the performance characteristics determined, by Diagnostic Solutions Laboratory.

IMPORTANT: Freeze overnight (8-hour minimum). DRY ICE is required for frozen transport. Samples can only be shipped Monday to Wednesday by overnight service.



Account setup forms are available on our website, via email at cs@diagnosticsolutionslab.com, or by phone at 877-485-5336.

TEST ORDERING OPTIONS & SPECIMEN REQUIREMENTS

- CytoDx® | Single serum collection shipped frozen*

* Important Requirement:

- Freeze overnight (8-hour minimum). Dry ice required for transport.

GETTING STARTED

- Set up an account
- Order online on our website, via email, or by phone

LEARN MORE

