



MCAS PROFILE - Test Code 3409



Turnaround Time : 10 business days



Specimen Type: MCAS
Blood Test Kit

Description

Mast Cell Activation Syndrome (MCAS) is a complex condition where mast cells (important components of the immune system) become overly reactive, even when their overall numbers are normal. This hyperactivity leads to the release of inflammatory substances, causing various symptoms that can appear suddenly and unpredictably (Valent et al., 2020). A significant concern for individuals with MCAS is recurrent anaphylaxis, which can occur without identifiable triggers, complicating diagnosis and management (Valent et al., 2020).

Daily life with MCAS can be profoundly affected, as symptoms may vary widely and impact multiple body systems. Common manifestations include skin reactions like hives, gastrointestinal issues such as nausea, respiratory symptoms, and cardiovascular effects like hypotension (Valent et al., 2020). The unpredictability of symptoms can instil anxiety and fear of potential severe reactions, making daily routines and maintaining work or social commitments challenging.

Identifying MCAS can be difficult due to its similarities with other conditions, such as allergies and autoimmune diseases. The MCAS Profile measures biomarkers like tryptase, chromogranin A, and whole blood histamine which serve as critical markers for assessing the overall burden of mast cell activity (Valent et al., 2020).

Whats included?

- Tryptase
- Chromogranin A
- Whole Blood Histamine

Conditions and Symptoms

- Allergic reactions or anaphylaxis
- Hives and skin rashes
- Gastrointestinal issues
- Shortness of breath
- Nasal congestion
- Brain fog
- Headaches
- Dizziness
- Fatigue and malaise

Complementary Testing

- IgE 50 Inhalants Panel (Test code 3208)
- Cytokine Panel (Test code 4004)

Accreditations Include:

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



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*See NATA and CLIA website for further details