



MOULD/ BIOTOXINS -COMPREHENSIVE PANEL - Test Code 3402



Turnaround Time: Batch Testing



Specimen Type: SST Serum,
Citrate & EDTA (DRY ICE)

Description

Mould exposure can contribute to a range of health issues, from respiratory problems and chronic fatigue to neurological symptoms. Mould and biotoxin testing help identify specific biomarkers that indicate mould-related illnesses, such as C3a, C4a, TGFb-1, MMP-9, and VEGF.

C3a and C4a are complement proteins that signal immune activation and inflammation, which can occur in response to mould exposure (Thomas, n.d.). These markers provide valuable insights into the body's immune response. TGFb-1, a key growth factor, is involved in immune responses; its elevated levels often point to chronic mould-related inflammation (Thomas, n.d.). VEGF (vascular endothelial growth factor) plays a role in blood vessel formation and may increase in response to toxic mould exposure, reflecting vascular changes (Thomas, n.d.). MMP-9 is an enzyme that facilitates the movement of inflammatory compounds from blood vessels into tissues, and in CIRS, cytokine activity increases MMP-9 levels, making it a key marker of hidden inflammation (Thomas, n.d.).

Monitoring these markers helps your healthcare provider evaluate the impact of mould exposure and guide targeted treatment. If you experience symptoms such as fatigue, respiratory issues or cognitive difficulties, consult your doctor about mould testing. Early detection and intervention can improve health outcomes.

Whats included?

- Complement Component 3a (C3a)
- Complement Component 4a (C4a)
- Transforming Growth Factor Beta-1 (TGFb-1)
- Vascular Endothelial Growth Factor (VEGF)
- Matrix metalloproteinase-9 (MMP-9)

Conditions and Symptoms

- Allergic reactions
- Skin Irritation
- Fatigue and cognitive issues
- Headaches and migraines
- Sinus congestion and respiratory issues
- Mood changes
- Hormonal imbalances

Complementary Testing

- Mycotoxin Panel (Test code 3413)
- HLA DQ/DR Haplotypes (Test code 3401)

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