



PRE & POST CHELATION (METALS) - Test Code 5022, 5024



Turnaround Time: 7 business days



Specimen Type: Pre and Post Chelation Urine Kit

Description

The Pre and Post Chelation Metals Test is a urine-based analysis that measures levels of toxic metals in the body both before and after the administration of a chelating agent. Chelation therapy uses specific compounds to bind to heavy metals, facilitating their excretion through urine and providing a clearer picture of the body's total metal burden (Lakey-Beitia et al., 2021).

This test is particularly valuable for individuals suspected of having been exposed to heavy metals such as mercury, lead or arsenic, which can lead to a range of health issues including fatigue, cognitive impairment, immune dysfunction and neurological disorders (Yang & Wang. 2022). Common sources of heavy metal exposure include environmental pollution, contaminated water and occupational hazards.

By comparing pre and post chelation results, healthcare providers can effectively evaluate the extent of metal accumulation in the body and assess the efficacy of chelation therapy. The test also helps determine whether further treatment or detoxification is necessary to reduce toxic metal levels and prevent long-term damage. For individuals experiencing unexplained symptoms, especially those with known exposure risks, this test can provide crucial insights into underlying health issues.

Test Options

- 5022- Pre-Chelation Metals
- 5024- Post-Chelation Metals Challenge
- Assesses: Ag, Al, As, Ba, Be, Bi, Cd, Hg, Ni, Pb, Pt, Sb, S

Conditions and Symptoms

- Reduced strength and energy
- Digestive issues
- Muscle cramps and spasms
- Weakened immune system
- Joint pain and inflammation
- High blood pressure
- Mental health concerns

Complementary Testing

- Organic Acid Metabolomic Mapping (Test code 4041)
- NutriSTAT (Test code 5005)

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