



PRE & POST CHELATION (METALS/MINERALS) - Test Code 5023, 5025



Turnaround Time: 7 business days



Specimen Type: Pre and Post Chelation Urine Kit

Description

The Pre and Post Chelation Test is a urine-based analysis designed to measure levels of metals and minerals in the body both before and after the administration of a chelating agent. Chelation therapy involves the use of specific compounds that bind to heavy metals and enhance their excretion via urine, providing a clearer picture of the body's total metal burden (Lakey-Beitia et al., 2021).

This test is particularly useful for individuals suspected of having heavy metal exposure, such as mercury, lead or arsenic, which can contribute to a range of health issues including fatigue, cognitive impairment and immune dysfunction. By comparing pre- and post-chelation results, healthcare providers can assess the effectiveness of chelation therapy and the extent of metal accumulation (Yang & Wang, 2022).

Additionally, this test evaluates essential minerals to assess deficiency status and ensure chelation therapy does not further deplete necessary nutrients, such as calcium, magnesium or zinc. This dual assessment helps in tailoring a personalised treatment plan to restore optimal health while safely reducing toxic metal levels.

Test Options

- 5023- Pre-Chelation Metals & Minerals
- 5025- Post-Chelation Metals & Minerals Challenge
- Assesses: B, Ca, Co, Cr, Cu, Fe, Li, Mg, Mn, Mo, Se, Sr, V, Zn; Ag, Al, As, Ba, Be, Bi, Cd, Hg, Ni, Pb, Pt, Sb, Sn, Tl

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