Neuberg DIAGNOSTICS

● India ● UAE ● South Africa ● USA

New INSIGHTS

Neuberg DIAGNOSTICS CENTER FOR PROTEOMICS & METABOLOMICS

HEAVY METAL ANALYSIS

Advanced Detection. Accurate Quantification. Better Outcomes.

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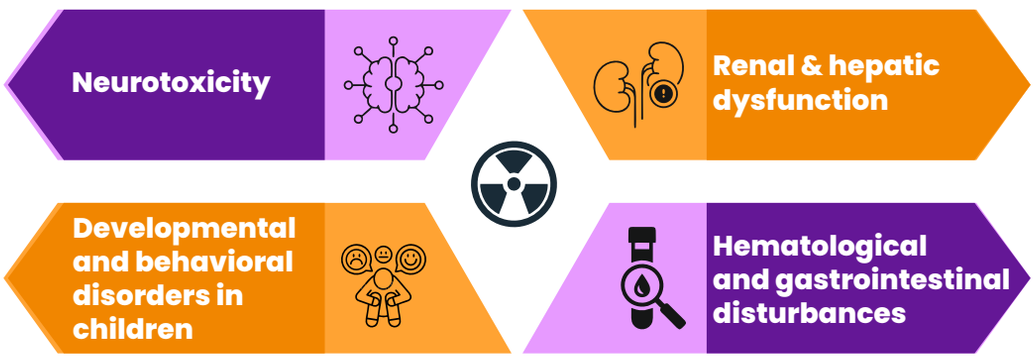
About Heavy Metal Toxicity

- Heavy metals are naturally occurring elements that can be toxic even at low concentrations. Chronic exposure through food, water, occupation, or environment can lead to:



Purpose of the Test

The Heavy Metal Panel helps in:

- Screening asymptomatic people for heavy metals is done to uncover hidden exposures early so sources can be removed and irreversible harms can be prevented and mitigated.
- Screening patients with suspected toxic metal exposure
- Monitoring chelation therapy
- Occupational exposure surveillance
- Evaluating unexplained systemic or neurological symptoms

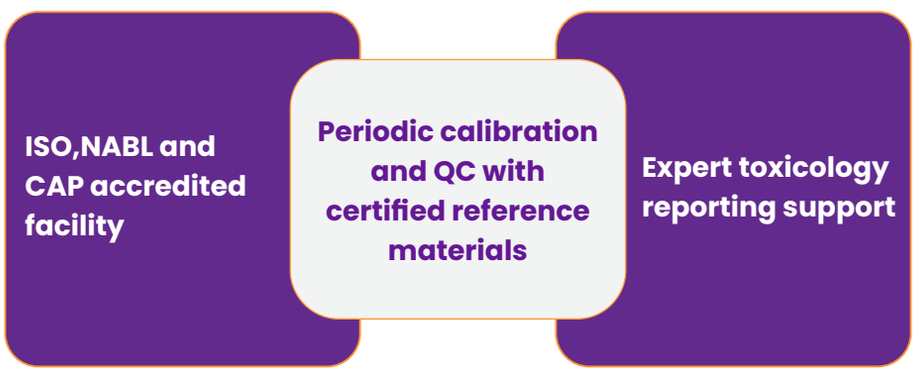
Technology Used

Inductively Coupled Plasma – Mass Spectrometry (ICP-MS)

Gold-standard technology for trace and ultra-trace metal analysis Detects elements at parts per billion (ppb) or parts per trillion (ppt)levels High precision, specificity, and throughput

Minimal matrix interference and cross-contamination
Bulk chemical technique that can determine simultaneously up to 70 tests in single analysis by blood or urine.

Advantages of ICP-MS at Neuberg Diagnostics:



Panels Offered

Analysis From Blood (G2292)	Analysis From Blood-2 (G2368)	Analysis From urine (T252)
Arsenic Level	Barium Level	Copper Level
Bismuth	Cesium Level	Arsenic Level
Cadmium Level	Antimony Level	Cadmium level
Chromium	TIN Level	Chromium Level
Cobalt	Molybdenum	Cobalt Level
Lead	Silver Level	Manganese Level
Manganese	Vanadium Level	Mercury Level
Mercury Level	Beryllium Level	Nickel Level
Thallium	Aluminum	Lead Level
Iron	Strontium Level	
Copper		
Nickel		
Selenium		
Zinc		

We perform all heavy metals present in periodic table except halogen group metals (Fluorine,Chlorine,Bromine,Iodine and Astatine).

Clinical Utility

01 Chronic fatigue, anemia, abdominal pain, and neuropathy workup

02 Behavioral issues or developmental delays in children

03 Monitoring of patients on long-term herbal/alternative medications

04 Occupational exposure (battery, electroplating, mining, smelting industries)

Sample Requirements

Sample Requirements	Sample Volume	Container	Stability	TAT
Whole blood (K2-EDTA)	5 ml	Metal-free tube	7 days (2-8' C)	48 hrs
SERUM blood	5 ml	Metal-free tube	7 days (2-8' C)	48 hrs
URINE (Spot/24 hours)	15 ml	Sterile container	7 days (2-8' C)	48 hrs

Why Neuberg Diagnostics

- Advanced ICP-MS platform (Gold Standard)
- Comprehensive toxic element coverage from blood and urine samples (soon starting from tissue sample)
- ISO,NABL,CAP accredited laboratory network
- Expert clinical correlation reports
- Pan-India logistics and online result access

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