



## ENVIRONMENTAL POLLUTANTS + GLYPHOSATE- Test code 4014



Turnaround Time: Batch testing



Specimen Type: Spot Urine

### Description

We are exposed to multiple chemicals which may have a combination effect (e.g. additive, synergistic) associated with low level exposures to multiple classes of contaminants, which may impact a variety of organ systems (Wang et al., 2021). Sources of contamination of pollutants may be found in diet, air pollution or cigarette smoking.

Increasing exposure to environmental pollutants has been linked to many chronic diseases such as autism spectrum disorders, autoimmune disorders, Parkinson's disease and Alzheimer's disease (Wang et al., 2021). The Environmental Pollutant panel makes it possible in a single test to measure the degree of toxicity to pollutants in the environment, whether it be in the air, what we consume or what we are exposed to.

This test measures the presence of urinary organic acids which are derived from the metabolic conversion of common pollutants which assesses exposure to benzene, xylene, toluene, trimethylbenzene, styrene and phthalate. Understanding individual exposure levels can provide valuable insights into potential health risks and guide personalised strategies to minimise and manage toxic environmental impacts.

### Whats included?

- Metabolites of Benzene, Xylene, Toluene, Trimethylbenzene, Styrene, Phthalate exposure.
- Detection of Glyphosate.

### Conditions and Symptoms

- Headaches and migraines
- Respiratory issues
- Skin irritation
- Fatigue and weakness
- Nausea and digestive upset
- Cognitive impairment
- Anxiety and depression

### Complementary Testing

- Organic Acids Metabolomic Mapping (Test code 4041)
- Mycotoxin Panel (Test code 3413)

### Accreditations Include:

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



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scan the QR code



\*See NATA and CLIA website for further details