

ENVIRONMENTAL POLLUTANTS PROFILE



US BioTek
LABORATORIES

There are toxic compounds present in our air, water, food and many consumer products that we use every day. Because environmental levels are usually low, the effects on our health can be slow to develop. Many toxic chemicals found in our environment are known or suspected to cause serious health problems from long-term exposure, such as cancer and reproductive or birth defects.

Increasing levels of toxic exposure can be very subtle and gradual, but over time can have harmful effects.

WHAT TOXINS DOES THE US BIOTEK LABORATORIES' TEST MEASURE?

- **VOLATILE SOLVENTS**

Prevalent in industry, volatile solvents are used to make a variety of consumer products: plastics, rubbers, lubricants, dyes, detergents, paints, varnishes, glues, furniture wax, adhesives, lacquers, thinners, drugs, pesticides and more. Exposure is generally through inhalation of the gas emitted from the product that contains the solvent. We can be exposed to solvents in a number of everyday ways, including off-gassing from building materials, furniture, shoes, food packaging materials, breathing cigarette smoke, vapors from copying machines, automobile exhaust, gas stations and fingernail polish to name a few.

Consequences from exposure are broad spectrum, from acute irritation of the eyes, nose and throat to cognitive and neurological impairments, certain cancers, anemia, infertility, liver and kidney damage.



- **PHTHALATES**

Known as “plasticizers”, they make plastic products soft and pliable; from food wrap and toys to vinyl flooring and other building materials. Phthalates are also used in a variety of cosmetic and body care products including nail polish, moisturizers, and fragrances. Exposure to phthalates has been linked to diabetes risk, asthma, reproductive system birth defects, hormonal changes, thyroid irregularities and skin allergies.

- **PARABENS**

A group of artificial preservatives, parabens are used to prevent the growth of bacteria and mold to increase product shelf-life. They are used in a variety of cosmetic and body care products, such as moisturizers, cleansers, shampoos, conditioners, sunscreens, deodorants, antiperspirants, shaving gels, and toothpastes. Parabens are also used as a preservative in foods like pastries, icings, fillings, frozen dairy products, condiments, coated nuts and confections. Exposure to parabens has been linked to allergic skin reactions. Research suggests that parabens are weakly estrogenic and may have a disrupting effect on the hormonal systems of the body.

WHO MIGHT BE EXPOSED TO TOXINS?

- Painters
- Construction workers
- Furniture refinishers
- Hobbyists
- Biomedical laboratory workers
- Automobile garage workers
- Gasoline station attendants
- Parking lot attendants
- Freeway commuters
- Bicyclists
- Smokers
- Office workers
- Copy machine attendants
- Home & industrial cleaners
- Metal workers
- Beauticians
- Cosmetic and body care users

Exposure to common everyday pollutants may have enormous implications for your health, affecting your immune, nervous and reproductive systems.

DO I HAVE TOXINS IN ME?

A simple urine test can assess your exposure to eight common environmental chemicals by measuring fourteen of their metabolites. A metabolite is a byproduct of the original compound resulting from biochemical reactions in the body. Urine levels may reflect the amount of chemical that has gotten into the body through all routes of exposure including inhalation, ingestion, and absorption from the skin.

A urine sample is collected onto our proprietary absorbent strips, placed in a zip-tight bag, and mailed to US BioTek Laboratories for analysis. Analysis is performed by Liquid Chromatography/ Triple Quadrupole Mass Spectrometry (LC-MS/MS).

As part of a comprehensive diet and lifestyle plan to better health, environmental pollutant testing may help define your body's toxic burden, providing you and your doctor valuable information for a targeted nutritional and detoxification intervention.



US BioTek Laboratories has developed and determined the performance characteristics of this test. This test has not been cleared or approved by the U.S. Food and Drug Administration (FDA). US BioTek makes no claims as to the diagnostic or therapeutic use of its tests or other informational materials. US BioTek's test results and other information do not constitute medical advice, are provided for educational purposes only, and are not a substitute for professional medical advice. US BioTek is not responsible or liable for misuse or misinterpretation of the information provided, or any diagnoses or healthcare changes initiated by a patient or a healthcare practitioner based on the content of US BioTek's informational materials.

ADVANTAGES OF THE US BIOTEK ENVIRONMENTAL POLLUTANTS PROFILE



- **14 METABOLITES OF 8 COMMON POLLUTANTS**
Benzene, styrene, toluene, trimethylbenzene, xylene, phthalate, paraben and methyl Tert-butyl Ether metabolites are measured.
- **INNOVATIVE METHOD**
Specimen collection utilizes our simple urine collection strips to maximize analyte stability and recovery.
- **SINGLE URINE COLLECTION**
A first morning mid-stream urine catch is easy for you to collect at home
- **NO REFRIGERATION OF SPECIMEN REQUIRED**
Dried specimen is stable at room temperature.
- **NO OVERNIGHT SHIPPING REQUIRED**

OTHER TESTING SERVICES

- Organic Acids Profile
- Specific IgG, IgG4, IgA, and IgE Antibody Panels for Common Foods & Inhalants
- Candida Antibodies & Antigen Panel
- Celiac Antibody Panel



16020 Linden Ave N,
Shoreline, WA 98133 USA
P: 1.206.365.1256
Toll-Free: 1.877.318.8728

USBioTek.com

