

About the WSLH

The Wisconsin State Laboratory of Hygiene (WSLH) is the state's public, environmental and occupational health laboratory. We protect the health and safety of Wisconsin's people and environment, and provide training to other professionals.

Founded in 1903 at the University of Wisconsin-Madison and as an auxiliary unit reporting to the University of Wisconsin School of Medicine and Public Health, the WSLH embodies the **Wisconsin Idea**. The work we do daily reaches not only the borders of the state, but nationally and internationally. Our goal is to:

Protect
Research
Collaborate
Advise
Teach

WSLH scientists and academic leaders offer quality services in an array of technical specialties, including:

- Infectious Diseases
- Genetics
- Newborn Screening
- Cytology and Cytotechnology education
- Environmental Chemistry and Microbiology
- Radiochemistry
- Toxicology
- Industrial Hygiene/Occupational Health
- Laboratory Proficiency Testing

We actively participate in the vibrant University of Wisconsin-Madison community — fostering partnerships with academic departments, performing vital human and environmental health research, and providing education and training in the areas of clinical, environmental, and occupational health and safety.

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Your Laboratory Partner in

Clinical
Environmental
Occupational
Health



Wisconsin State
Laboratory of Hygiene
UNIVERSITY OF WISCONSIN-MADISON

Clinical

The Wisconsin State Laboratory of Hygiene's clinical laboratories offer a full range of analytical testing and consultation and are CAP-accredited.

Infectious / Communicable Diseases

- Respiratory Viruses (including influenza)
- Tuberculosis
- Enteric Bacteria and Viruses
- Food and Water-borne Disease
- Vaccine-Preventable (pertussis, measles, mumps, rubella)
- Serology (bacterial, viral)
- STDs / HIV / Hepatitis
- Rabies
- Outbreak Investigations
- Emergency Response (bioterrorism)
- Molecular Diagnostics and Epidemiology

Genetics

- Laboratory directors are ABMG-certified
- Cytogenetics (Prenatal, Postnatal, Oncology)
- Molecular (Prenatal, Postnatal, Oncology)
- Biochemical (Inborn errors of metabolism)

Newborn Screening

- Test the more than 65,000 babies born annually in Wisconsin
- Screen for rare, hidden disorders that left untreated can lead to slow growth, severe illness, developmental delays, brain damage and possibly death

Cytology / Anatomic Pathology

- Pap Smear (ThinPrep and conventional)
- Human Papillomavirus (HPV)
- Fine Needle Aspiration (FNA)
- Brushings
- Secretions
- Body Fluids/Washings
- Viral Inclusions
- Histology

WSLH Proficiency Testing

- Full-service PT provider for clinical laboratories
- Accepted by CAP, COLA and The Joint Commission and Approved by CMS
- More than 3,000 customers nationwide
- More than 150 PT products, including Chemistry, Immunoserology, Hematology, Coagulation, Urinalysis, Microscopy, Immunohematology, Bacteriology, Mycobacteriology, Mycology, Parasitology and Virology

Toxicology

Forensic (OWI, death investigations)

In Wisconsin, we perform testing for:

- More than 80% of Operating While Intoxicated (OWI) blood alcohol tests (~ 18,000 annually)
- More than 95% of OWI blood drug tests (~ 5,000 annually)
- Crash investigations
- Coroners and Medical Examiners
- Accredited by ABFT

Clinical Metals

- Blood Lead (childhood lead poisoning)
- Mercury (urine, blood)
- Arsenic (urine, hair)

Environmental

We provide analytical services, consultation and research collaboration in the areas of:

- Inorganic Chemistry
- Organic Chemistry
- Air Toxins / Atmospheric Pollution / Ozone
- Water Microbiology
- Environmental Toxicology
- Radiochemistry
- Flow Cytometry
- Microbial Source Tracking
- Chemical Emergency / Terrorism Response
- Trace Elements Analysis
- Accredited by NELAC, EPA, NEHA, WI DNR and DATCP

Occupational

Wisconsin Occupational Health Laboratory

- Provide comprehensive industrial hygiene analytical services
- Support OSHA consultation programs in 45 states
- Work with businesses and industrial hygiene consultants nationwide
- Accredited by AIHA-LAP

WisCon Safety and Health Consultation Program

- Provide free safety and health consultation and training to small businesses in Wisconsin
- Help employers provide safe workplaces and meet federal OSHA obligations and responsibilities.

Bureau of Labor Statistics/OSHA Statistics Unit

- Collect, analyze and publish workplace injury, illness and fatality data from Wisconsin employers
- Identify workplace hazards and problem areas