

MISSION

The State Hygienic Laboratory at the University of Iowa protects and improves quality of life by providing reliable environmental and public health information through the collective knowledge and capabilities of our organization.

ABOUT US

The State Hygienic Laboratory is Iowa's environmental and public health laboratory, serving all 99 counties by testing and tracking infectious diseases and illnesses; performing newborn and maternal screening; and monitoring the air, water and soil for environmental contaminants.

Each year, the Hygienic Laboratory conducts more than 500,000 public health tests for Iowans and an estimated 250,000 additional tests for clients outside of the state. Founded in 1904, the State Hygienic Laboratory is based in Coralville with additional laboratories in Ankeny and Milford.



CONTACT US

Coralville

2490 Crosspark Road
Coralville, IA 52241-4721
(319) 335-4500
(800) 421-4692
(319) 335-4555 (fax)
M - F: 8 a.m. - 5 p.m.
Sat.: 9 a.m. - Noon

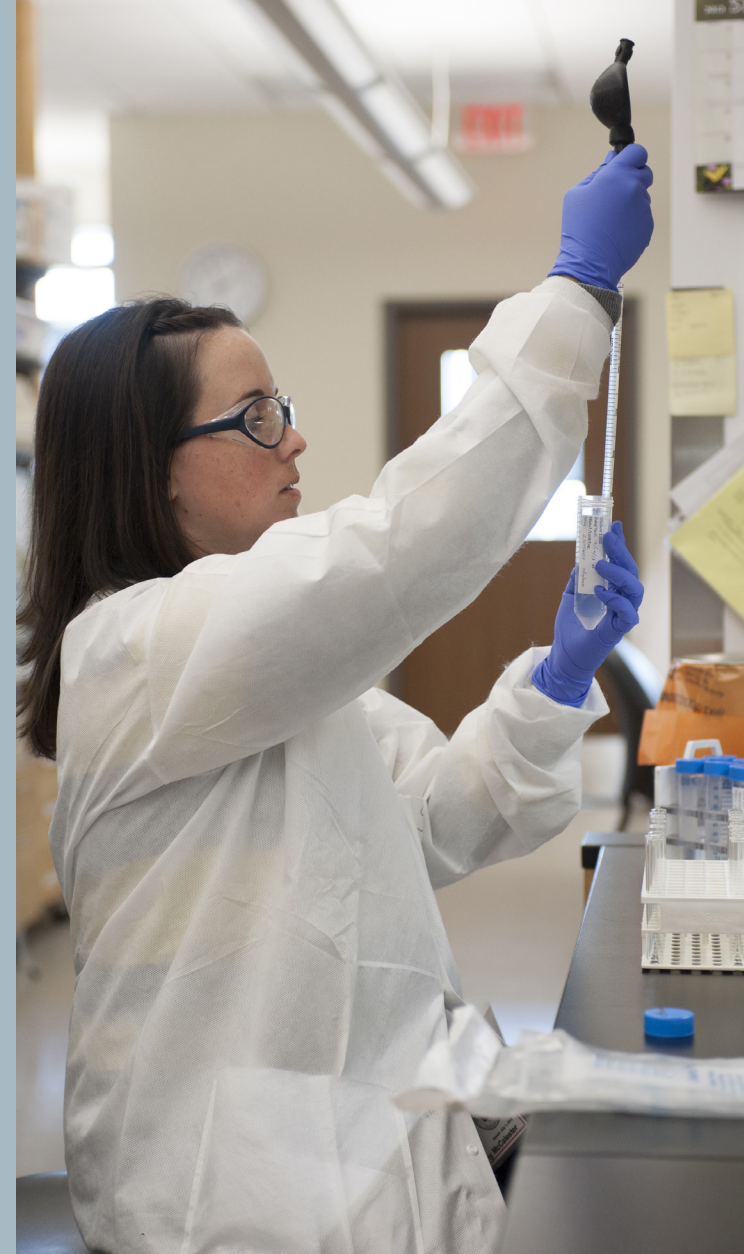
Ankeny

DMACC campus
2220 S. Ankeny Blvd.
Ankeny, IA 50023-9093
(515) 725-1600
(515) 725-1642 (fax)
M - F: 8 a.m. - 5 p.m.
Weekends by appointment

Lakeside Laboratory

1838 Highway 86
Milford, IA 51351-7267
(712) 337-3669, ext. 6
(712) 337-0227 (fax)
M - F: 8:30 a.m. - 5 p.m.
Weekends by appointment

SHL.UIOWA.EDU



INSIDE THE
STATE HYGIENIC LABORATORY
AT THE UNIVERSITY OF IOWA



Welcome to the State Hygienic Laboratory at the University of Iowa

The State Hygienic Laboratory is Iowa's environmental and public health laboratory and serves Iowans in all 99 counties of the state.

SHL is committed to a quality laboratory system by maintaining accreditation to state, federal and international standards and through continual quality system assessment.

- ISO/IEC 17025:2005
- Clinical Laboratory Improvement Amendments (CLIA)
- Principal State Laboratory, Environmental Protection Agency: Safe Drinking Water Act (SDWA)
- National Environmental Laboratory Accreditation Program (NELAP)
- State of Iowa Laboratory Certification

DISEASE CONTROL

Full range of analytical testing and consultation services

- General microbiology (bacteriology, mycobacteriology [TB], mycology, parasitology, rabies and virology)
- Molecular diagnostics
- Respiratory viruses (including influenza)
- STDs / HIV / Hepatitis
- Highly pathogenic viruses (Zika, Ebola)
- Vaccine-preventable diseases (pertussis, measles, mumps)
- Blood lead
- Environmental microbiology
 - Foodborne and waterborne diseases

NEWBORN AND MATERNAL SCREENING

Screening for the Iowa Newborn Screening Program

- Congenital and inherited conditions
- More than 49 conditions

Screening for Iowa Maternal Prenatal Screening Program

- Abdominal wall, chromosomal and neural tube defects
- Risk of developing problems during pregnancy

ENVIRONMENTAL HEALTH

Analytical services and consultation

- Analytical, organic and inorganic chemistry
- Trace element analysis
- Radiochemistry
- Air Quality
- Environmental sampling
- Drinking water, wastewater, recreational water
- Pools and spas
- Industrial hygiene
- Food safety
- Biomonitoring
- Private well

EMERGENCY PREPAREDNESS AND RESPONSE

Analytical services and consultation

- Credible threat response (chemical and biological)
- Public health and environmental emergencies
- Confirmatory (rule-out) testing
- Laboratory Response Network
- Food Emergency Response Network
- Radiological Emergency Response

RESEARCH AND DEVELOPMENT

Applied research in all areas related to analytical testing

- Advanced molecular detection (Next Generation Sequencing)
- Emerging methodologies (test methods, instrumentation)
- Clinical trials
- Environmental research

EDUCATION AND TRAINING

Training opportunities and educational experiences

- Science, technology, engineering and math (STEM)
- Internships and practicums
- Externships and school collaborations
- Laboratory learning center
- Fellowships
- Clinical labs
- Professional laboratorians

CERTIFICATION OF LABORATORIES

Laboratory certification for testing

- Wastewater
- Drinking water
- Solid waste
- Other environmental testing
- Clinical Laboratory Improvement Amendment (CLIA)