Position Specific Summary:
The State Hygienic Laboratory (Iowa’s Environmental and Public Health Laboratory), at the University of Iowa, under contract with the Iowa Department of Public Health, has an exciting full-time opportunity for a newborn screening laboratory analyst in the Ankeny, IA facility. The primary function of the position is to perform biochemical and genetic testing of blood specimens collected from newborns for detection of inherited disorders. This position will work dayshift hours Thursday – Monday.

Key Areas of Responsibilities and Specific Job Tasks

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<th>Classification</th>
<th>Specific Job Duties and Tasks</th>
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| Technical Laboratory Capability | • Meet CLIA qualifications for High Complexity testing.  
• Demonstrate knowledge of and perform newborn screening laboratory testing according to standard laboratory procedures (SOP) and policies.  
• Will work independently; train others; attain ability and knowledge to suggest modifications or adaptations to established methods; recommend process improvements; verify new tests and revise procedures. |
| Instrumentation and Technology | • Perform daily operation and routine maintenance, calibration, and assist in troubleshooting of laboratory instruments and equipment. |
| Data Analysis, Reporting and Documentation | • Document and review newborn screening test data, procedures, and results.  
• Release data and reports for use by physicians, health care professionals, and newborn screening medical follow-up staff.  
• Prepare and maintain standard operating procedures and prepare documentation for test verification or validation studies. |
| Quality Control / Quality Assurance / Quality Improvement / Quality Assessment | • Perform quality control and quality assurance procedures in accordance with established standard operating procedures and policies.  
• Recognize basic problems and assist troubleshooting of laboratory method and performance problems.  
• Assemble quality control data for further analysis; recognize problems; document issues; perform root cause analysis; and initiate corrective actions. |
| Outreach and Communication | • Interact with coworkers and external partners in a courteous and respectful manner.  
• Communicate test results to physicians, health care professionals, and newborn screening medical follow-up staff with precision and clarity.  
• Consult and interact with external and internal partners regarding test methods and results; communicate with health care professionals about proper collection of the newborn screen specimen; assist in the creation and design of outreach materials.  
• May provide presentations. |
| Financial Responsibility | • Initiate purchasing requests for supplies, equipment, etc. |
Other duties as assigned.

### Universal Competencies

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<tr>
<th>Positive Impact/Achieving Results</th>
<th>Ability to utilize existing resources and learning to achieve or exceed desired outcomes of current and future organizational goals/needs. Able to demonstrate ethical behavior in diverse situations while producing results.</th>
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<tbody>
<tr>
<td>Service Excellence/Customer Focus</td>
<td>Ability to meet or exceed customer service needs and expectations and provide excellent service in a direct or indirect manner. Ability to effectively transmit and interpret information through appropriate communication with internal and external customers.</td>
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<td>Collaboration and Embracing Diversity</td>
<td>Ability to work with a variety of individuals and groups in a constructive and civil manner while appreciating the unique contribution of individuals from varied cultures, race, creed, color, national origin, age, sex, disability, sexual orientation, and gender identity.</td>
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### Technical Competencies

| Clinical Laboratory Testing (Working) | Participates in the processing specimens (e.g. dried blood spots) according to established procedures.  
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                      | Operates laboratory punching equipment required to sample dried blood spots.  
|                                      | Conduct newborn screening testing on blood spot specimens to help identify infants at risk for an inherited condition. Methods include immunoassay, enzyme assay, electrophoresis, HPLC, tandem mass spectrometry, and molecular methods.  
|                                      | Adheres to relevant policies and ethics for clinical laboratory testing.  
|                                      | Discusses major factors that can affect the accuracy of laboratory test results. |
| Laboratory Equipment Operation (Working) | Operates and calibrates laboratory equipment, e.g., automated immunoassay platforms, fluorometers, thermal cyclers, mass spectrometers, liquid handlers, dried blood spot punching equipment, drying equipment.  
|                                      | Examines equipment to detect signs of disrepair.  
|                                      | Adheres to and helps others understand laboratory equipment safety and operating policies and procedures.  
|                                      | Documents defective equipment and reports it to an appropriate supervisor.  
|                                      | Utilizes quality control procedures to monitor and maintain laboratory equipment. |
| Laboratory Practice Quality Assurance (LPQA) (Working) | Reads and adheres to laboratory specimen collection, handling and analytical procedures as specified in laboratory's standard operating procedures and QA documents.  
|                                      | Adheres to CLIA regulations and laboratory safety procedures in the performance of duties.  
|                                      | Handles actual or potential problems that affect the analytical results according to laboratory SOPs and QA documents.  
|                                      | Assesses laboratory equipment calibration and maintenance according to laboratory SOPs and QA documents. |
| Laboratory Results Reporting (Working) | Utilizes laboratory information systems to report newborn screening results; effectively communicate laboratory results to health care professionals.  
|                                      | Follows LRR policies and ethics, e.g. Health Insurance Portability and Accountability Act (HIPAA).  
|                                      | Maintains secure access to laboratory results and their interpretations in a patient-focused manner. |

As part of performing the key areas of responsibility and competencies described above, staff members are expected to meet reasonable standards of work quality and quantity, as well as expectations for attendance established by their supervisor. Staff members are also expected to comply with policies governing employee responsibilities and conduct, including those contained in the [University Operations Manual](#).
Proficiency levels are defined as:

**Basic Application** - Uses basic understanding of the field to perform job duties; may need some guidance on job duties; applies learning to recommend options to address unusual situations.

**Working Experience** - Successfully completes diverse tasks of the job; applies and enhances knowledge and skill in both usual and unusual issues; needs minimal guidance in addressing unusual situations.

**Extensive Experience** - Performs without assistance; recognized as a resource to others; able to translate complex nuances to others; able to improve processes; focus on broad issues.

**Expert/Leader** - Seen as an expert and/or leader; guides, troubleshoots; has strategic focus; applies knowledge and skill across or in leading multiple projects/orgs; demonstrates knowledge of trends in field; leads in developing new processes.

**Position Qualifications**

**NOTE:** Education OR experience may be increased or decreased by one level for most positions.

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<tr>
<th>Education or Equivalency Required</th>
<th>Bachelor’s degree in Medical Technology, Chemistry, Biochemistry, Biology, Genetics, or other related field, or an equivalent combination of education and experience and three to six months relevant laboratory experience.</th>
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| Required Qualification            | • Candidates must meet CLIA qualifications for high complexity testing.  
• Solid written and verbal communication skills are required.  
• Must have a valid U.S. driving license and be able to meet the University of Iowa’s Fleet Safety requirements: [https://opsmanual.uiowa.edu/administrative-financial-and-facilities-policies/fleet-services](https://opsmanual.uiowa.edu/administrative-financial-and-facilities-policies/fleet-services) |
| Desirable Qualification           | • Six months to one year related public health laboratory experience.  
• Experience with immunoassay, mass spectrometry, and molecular biology techniques.  
• Completion of human genetics college course work and QA/QC experience. |

See requisition # 18001099 at [https://jobs.uiowa.edu](https://jobs.uiowa.edu) within Research Category

Applicable background checks will be conducted.

The University of Iowa is an equal opportunity/affirmative action employer. All qualified applicants are encouraged to apply and will receive consideration for employment free from discrimination on the basis of race, creed, color, national origin, age, sex, pregnancy, sexual orientation, gender identity, genetic information, religion, associational preference, status as a qualified individual with a disability, or status as a protected veteran.