

Hy-Line International

JOB TITLE: Research Laboratory Technician LOCATION: Hy-Line International

INCUMBENT: Multiple DEPT: Research & Development

REPORTS TO: Laboratory Technician Manager / STATUS: Exempt

 Senior Research Scientist

Created: July 2024 Revision Date(s):

**Statement of Purpose:** We are seeking a detail-oriented Research Laboratory Technician to join our dynamic team. As a Research Laboratory Technician, you will be responsible for performing various technical and/or manual tasks to support genetic research and testing processes. This role requires a basic foundation in molecular biology techniques, exceptional organizational skills, flexibility, and the ability to work effectively in a team-oriented environment.

KEY JOB FUNCTIONS AND RESPONSIBILITIES

* Perform DNA and RNA extraction, purification, and quantification using established protocols.
* Works on repetitive tasks within the lab (i.e., filling tubes, making labels, scanning in blood/tissue samples).
* Assist in the preparation of samples for various genetic analyses, including PCR, sequencing, and genotyping.
* Operate and maintain laboratory equipment such as micropipettes, PCR machines, centrifuges, and spectrophotometers.
* Follow standard operating procedures (SOPs) and ensure compliance with laboratory safety guidelines.
* Maintain accurate documentation and records of experimental procedures, samples, results, and observations in a timely manner.
* Assist in the development and validation of new laboratory procedures and assays.
* Maintain inventory of reagents and consumables, and submit orders as needed.
* Works on miscellaneous lab support (i.e., dishwashing, autoclaving, defrosting freezers, replenish supplies, shipping, solution preparation).
* Other duties as assigned.

QUALIFICATIONS

* Two-year college degree with courses in Molecular biology, Genetics, Biotechnology or equivalent specialized training beyond high school or related experience
* Good knowledge of Windows and Excel program
* 1-2 years related experience preferred required.
* Previous experience working in a laboratory setting, preferably in a genetics or molecular biology laboratory.
* Proficiency in basic molecular biology techniques such as PCR, gel electrophoresis, and DNA quantification methods.
* Familiarity with laboratory equipment and instrumentation used in genetic analysis.
* Strong attention to detail and the ability to follow protocols precisely.
* Excellent organizational, communication, and interpersonal skills.
* Ability to work independently as well as part of a team in a fast-paced environment.
* Commitment to maintaining high standards of laboratory safety and quality control.
* Applicant must have a passport, or willing to get a passport, for international travel.

PREFERRED QUALIFICATIONS

* Bachelor’s degree in Molecular Biology, Genetics, Animal Science, or a related discipline.
* Experience with next-generation sequencing (NGS) technologies and data analysis.
* Experience in assay development and validation.

**WORKING CONDITIONS**

* This position typically works in a laboratory environment where biological samples and chemicals are handled.
* Projects as assigned may require direct handling of birds and involve avian blood and/or tissue collection.
* May require occasional lifting of objects up to 50 pounds.
* Flexible work hours may be required based on experimental needs.
* This position may require at least one international trip per calendar year, pending business needs.

Description of Physical and Mental Demands

|  |  |
| --- | --- |
| Position: Research Laboratory Technician  | Department: Research & Development |
| Developed by: HR | Date Created/Revised: July 2021 |

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| Physical DemandsOn the job time is spent in the following physical activities. The amount of time spent for each physical activity is indicated below |
|  | None | Up to 10% | Up to 30% | 30% -60% | More than 60% |
| Standing |  |  | \* |  |  |
| Walking |  |  | \* |  |  |
| Sitting |  |  |  | \* |  |
| Talking and/or Hearing |  |  |  | \* |  |
| Using hands to handle, feel |  |  |  | \* |  |
| Kneeling | \* |  |  |  |  |
| Squatting | \* |  |  |  |  |
| Crouching | \* |  |  |  |  |
| Crawling | \* |  |  |  |  |
| Reaching overhead |  | \* |  |  |  |
| Reaching forward |  | \* |  |  |  |
| Tasting or Smelling | \* |  |  |  |  |
| Climbing Stairs | \* |  |  |  |  |
| Rotating Trunk |  | \* |  |  |  |
| Flexing Trunk | \* |  |  |  |  |
| This position requires that weight be lifted: |
|  | None | Up to 10% | Up to 30% | 30% -60% | More than 60% |
| Up to 10 pounds |  |  |  | \* |  |
| Up to 25 pounds |  | \* |  |  |  |
| Up to 40 pounds |  | \* |  |  |  |
| Up to 50 pounds |  | \* |  |  |  |
| Up to 75 pounds | \* |  |  |  |  |
| Up to 100 pounds | \* |  |  |  |  |
| More than 100 pounds | \* |  |  |  |  |
| FH = Floor to Waist, H = Horizontally, O = Overhead, WA = With Assistance |
| This position requires that force be exerted by pushing/pulling: |
|  | None | Up to 10% | Up to 30% | 30% -60% | More than 60% |
| Up to 10 pounds |  |  | \* |  |  |
| Up to 25 pounds | \* |  |  |  |  |
| Up to 50 pounds | \* |  |  |  |  |
| Up to 100 pounds | \* |  |  |  |  |
| More than 100 pounds | \* |  |  |  |  |
| WA = With Assistance |

The typical noise level is: Hearing Requirements:

[ ]  Very Quiet [x]  Ability to hear equipment alarms

[x]  Quiet [x]  Ability to hear person call

[ ]  Moderate Noise [x]  Ability to hear instructions from

[ ]  Loud Noise employees or leaders

[ ]  Very Loud Noise

|  |
| --- |
| Repetitive MotionOn the job time requires the following hours of repetitive activities: |
|  | 0 | 1 – 2 | 3 – 4 | 5 – 6 | 7 + |
| Repetitive use of foot control | \* |  |  |  |  |
| Repetitive use of hands |  |  |  | B |  |
| Grasping: simple/light |  |  |  | B |  |
| Grasping: firm/heavy | \* |  |  |  |  |
| Fine dexterity |  |  |  | B |  |
| R = Right, L = Left, B = Both |
|  |
| Work Environment ConditionsThis job requires exposure to the following environmental conditions. The amount of time spent in these conditions is indicated: |
|  | None | Up to 5% | Up to 30% | 30% -60% | More than 60% |
| Wet, humid (non-weather) |  |  | \* |  |  |
| Near moving mechanical parts |  |  | \* |  |  |
| Fumes or airborne particles | \* |  |  |  |  |
| Toxic or caustic chemicals | \* |  |  |  |  |
| Outdoor weather conditions | \* |  |  |  |  |
| Extreme cold (non-weather) | \* |  |  |  |  |
| Extreme heat (non-weather) | \* |  |  |  |  |
| Risk of electrical shock | \* |  |  |  |  |

VISION REQUIREMENTS:

[x]  Close vision (clear vision at 20 inches or less)

[x]  Distance vision (clear vision at 20 ft or more)

[x]  Peripheral vision (ability to observe an area that can be seen up and down or to the left and right while eyes are fixed on a given point

[x]  Depth perception (3-dimensional vision, ability to judge distance and spatial relationships

[x]  Ability to adjust focus (ability to adjust the eye to bring an object into sharp focus)

[ ]  No special vision requirements

OTHER PHYSICAL/MENTAL DEMANDS:

[x]  Travel is required:

 [x]  less than 50% of the time

 [ ]  50% of the time

 [ ]  More than 50% of the time

[x]  High volume workload

[ ]  Mentally stressful conditions

[x]  25% or less of the time

[ ]  25-50% of the time

[ ]  More than 50% of the time

[ ]  Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Reasonable accommodations will be considered to enable individuals to perform the essential functions of the position.

I have received a copy of my position description, the responsibilities and requirements of the role and the physical/mental demands of the position. I acknowledge that I am able to perform all of the duties stated with or without reasonable accommodation. Further, I understand I am responsible for notifying my employer if any reasonable accommodations are required for me to perform my duties and responsibilities as outlined.

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 Employee Signature Date Signed