



**JOB INFORMATION**

|                         |                             |
|-------------------------|-----------------------------|
| Job Code                | IA04A                       |
| Job Description Title   | Diagnostic Microbiologist I |
| Pay Grade               | HW06                        |
| Range Minimum           | \$37,210                    |
| 33rd %                  | \$43,410                    |
| Range Midpoint          | \$46,510                    |
| 67th %                  | \$49,620                    |
| Range Maximum           | \$55,820                    |
| Exemption Status        | Exempt                      |
| Approved Date:          | 1/1/1900 12:00:00 AM        |
| Legacy Date Last Edited | 1/3/2012                    |

**JOB FAMILY AND FUNCTION**

|               |                   |
|---------------|-------------------|
| Job Family:   | Health & Wellness |
| Job Function: | Lab               |

**JOB SUMMARY**

Investigates the growth, structure, development, and other characteristics of microscopic organisms, such as bacteria, algae, or fungi for University research.

**RESPONSIBILITIES**

- Isolates and makes cultures microorganisms cultures in prescribed media, controlling environmental conditions.
- Performs tests on water, food and the environment to detect harmful microorganisms and to obtain information about sources of pollution and contamination.
- Examines physiological, morphological, and cultural characteristics, using microscope, to identify and classify microorganisms.
- Observes action of microorganisms upon living tissues of plants, higher animals, and other microorganisms, and on dead organic matter.
- Investigates the relationship between organisms and disease, including the control of epidemics and the effects of antibiotics on microorganisms.
- Prepare technical reports and recommendations based upon research outcomes.
- Oversees and trains student workers in setting up biochemical tests and techniques in processing new samples.

**SUPERVISORY RESPONSIBILITIES**

|                            |   |
|----------------------------|---|
| Supervisory Responsibility | May be responsible for training, assisting or assigning tasks to others. May provide input to performance reviews of other employees. |
|----------------------------|---|

**MINIMUM QUALIFICATIONS**

**To be eligible, an individual must meet all minimum requirements which are representative of the knowledge, skills, and abilities typically expected to be successful in the role. For education and experience, minimum requirements are listed on the top row below. If substitutions are available, they will be listed on subsequent rows and may only be utilized when the candidate does not meet the minimum requirements.**

## MINIMUM EDUCATION & EXPERIENCE

| Education Level   | Focus of Education                         |     | Years of Experience | Focus of Experience                                       |
|-------------------|--|-----|---------------------|---|
| Bachelor's Degree | Degree in Microbiology, or related Science | And | 0 years of          | Experience in working with bacterial and fungal organisms |

Substitutions Allowed for Experience  Yes

*Substitution allowed for Experience: When a candidate has the required education, but lacks the required experience, they may normally apply additional appropriate education toward the experience requirement, at a rate of one (1) year relevant education per year of required experience.*

## MINIMUM KNOWLEDGE, SKILLS, & ABILITIES

Possesses general knowledge in the field of research, and has working knowledge of equipment, materials and processes related to lab/facility operations, including procedures for observation, documentation and data collection.

## MINIMUM LICENSES & CERTIFICATIONS

| Licenses/Certifications | Licenses/Certification Details | Time Frame | Required/Desired |
|-------------------------|--------------------------------|------------|------------------|
| None Required.          |                                |            |                  |

## PHYSICAL DEMANDS & WORKING CONDITIONS

Physical Demands Category:  Other

## PHYSICAL DEMANDS

| Physical Demand               | Never | Rarely | Occasionally | Frequently | Constantly | Weight |
|-------------------------------|-------|--------|--------------|------------|------------|--------|
| Standing                      |       |        |              | X          |            |        |
| Walking                       |       |        |              | X          |            |        |
| Sitting                       |       |        |              | X          |            |        |
| Lifting                       | X     |        |              |            |            |        |
| Climbing                      |       |        | X            |            |            |        |
| Stooping/ Kneeling/ Crouching |       |        | X            |            |            |        |
| Reaching                      |       |        |              |            | X          |        |
| Talking                       |       |        |              |            | X          |        |
| Hearing                       |       |        |              |            | X          |        |
| Repetitive Motions            |       |        |              |            | X          |        |
| Eye/Hand/Foot Coordination    |       |        |              |            | X          |        |

## WORKING ENVIRONMENT

| Working Condition | Never | Rarely | Occasionally | Frequently | Constantly |
|-------------------|-------|--------|--------------|------------|------------|
| Extreme cold      |       |        | X            |            |            |
| Extreme heat      |       |        | X            |            |            |
| Humidity          |       |        | X            |            |            |
| Wet               |       |        | X            |            |            |
| Noise             |       |        | X            |            |            |

## WORKING ENVIRONMENT

| Working Condition      | Never | Rarely | Occasionally | Frequently | Constantly |
|------------------------|-------|--------|--------------|------------|------------|
| Hazards                |       |        | X            |            |            |
| Temperature Change     |       |        | X            |            |            |
| Atmospheric Conditions |       |        | X            |            |            |
| Vibration              |       |        | X            |            |            |

**Vision Requirements:**

Ability to see information in print and/or electronically and distinguish colors.