AUBURN
Human Resources

Diagnostic Microbiologist IV

Job Description

JOB INFORMATION

Job Code	IA04D
Job Description Title	Diagnostic Microbiologist IV
Pay Grade	HW09
Range Minimum	$51,670
33rd %	$62,000
Range Midpoint	$67,170
67th %	$72,340
Range Maximum	$82,670
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.

The responsibilities listed above show the typical duties for jobs in this classification. Actual tasks may differ depending on the department's needs. Other similar duties may be assigned with discretion of the supervisor. Not every duty will apply to every position, and the amount of time spent on each task can change based on department needs.

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 to 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	6 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 expert knowledge of highly complex equipment, materials and processes related to lab/facility operations, including highly complex procedures for observation, documentation, collection, interpr	

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.