

Microbiologist I / II

The Purpose: The Microbiologist I/II performs procedures in Clinical and Environmental Microbiology according to protocols established by the Chief Microbiologist and implemented by the lead microbiologist.

The Essential Functions include:

Environmental Microbiology - Processes specimens for the detection of pathogenic organisms including protozoan parasites in environmental and potable water samples using conventional and molecular methods. Interprets and reports relevant test results. Examines food, dairy and water samples for specific pathogens, indicators of pathogenic organisms, or to determine the bacteriological quality of the product.

Clinical Microbiology - Processes specimens, isolates organisms and performs biochemical, serological or molecular tests to identify microbial agents. Examines stool specimens for the presence of ova and parasites. Processes clinical specimens for the isolation & identification of *Legionella*, *Mycobacterium*, *Bordetella*, *Mycoplasma* and biological agents that can potentially be used by terrorists. Performs antimicrobial susceptibility tests.

Sexually Transmitted Disease Microbiology - Isolates, identifies & performs susceptibility tests on *Neisseria gonorrhoeae*. Performs tests for the isolation and identification of *Mycoplasma* and/or *Trichomonas*.

Serological Testing - Performs VDRL, RPR, and FTA-ABS tests for syphilis, and interprets test results. Performs serological testing of *Legionella*.

Other duties as assigned.

The Requirements:

1. **Microbiologist I**

Bachelor's degree in Medical Technology, General or Environmental Microbiology, Bacteriology or closely related biological science with a minimum of 12 credit hours in Microbiology from an accredited college or university.

Microbiologist II

- a. Bachelor's degree in Medical Technology, General or Environmental Microbiology, Bacteriology or closely related biological science with a minimum of 12 credit hours in Microbiology from an accredited college or university.
- b. One year of laboratory experience within the last 4 years performing tests similar to those described above.

NOTE: If your degree was conferred 4 or more years ago, add one year of laboratory experience within the last 4 years performing tests similar to those described above to the requirements for Microbiologist I and II.

3. Knowledge and/or experience in diagnostic molecular microbiology or molecular biology techniques is highly desirable.
4. Must receive one of the following certifications within one year of employment:
 - a. Clinical Laboratory Scientist in Microbiology – CLS (M) from the National Credentialing Agency (NCA) for Laboratory Personnel, Inc.
 - b. Medical Technologist - MT (ASCP) from the American Society for Clinical Pathology.
 - c. Registered or Specialist Microbiologist – RM (NRM) or SM (NRM) from the National Registry of Microbiologists (American Society for Microbiology).
5. Residence in the City of Milwaukee within six months of appointment and throughout employment.

The 2006 Salary Range is:

Microbiologist I (640): \$37,312 - \$42,268 annually.

Microbiologist II (642): \$43,734 - \$50,034 annually.

NOTE: Appointment may be above the beginning of the range depending on qualifications.

#02-067 – Microbiologist I

#02-068 – Microbiologist II TJK (ALK)

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