

Microbiologists

19-1022.00



Description: Investigate the growth, structure, development, and other characteristics of microscopic organisms, such as bacteria, algae, or fungi.

Other Resources:

[ONET Link](#)

[MyNextMove Link](#)

Sample of Reported Job Titles: Bacteriologist, Clinical Laboratory Scientist, Clinical Microbiologist

Job Zone

Title: 5 - Extensive Preparation Needed

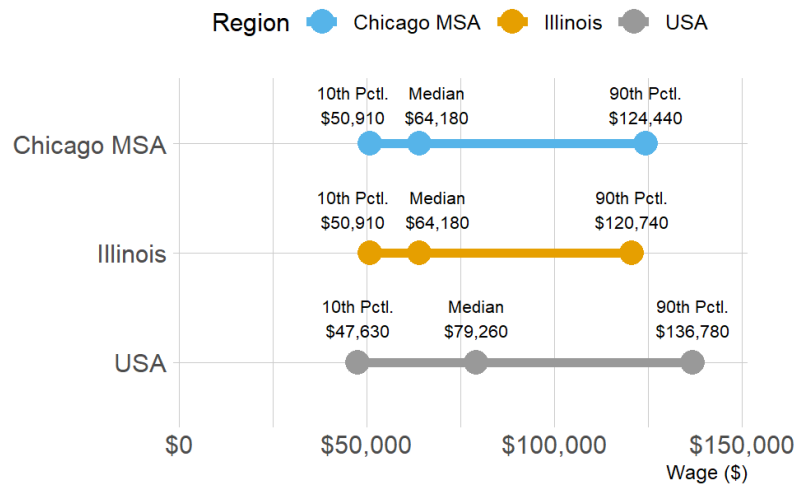
Education: Require graduate school.

Experience: Extensive skill, knowledge, and experience are needed for these occupations. Many require more than five years of experience.

Training: May need some on-the-job training, but most of these occupations assume that the person will already have the required skills, knowledge, work-related experience, and/or training.

Hot Technologies: Microsoft Access, Microsoft Office Suite, SAP business and customer relations management software

Region	Employment	Location Quotient	Median Wage
Chicago MSA	430	0.73	\$64,180
Illinois	520	0.67	\$64,180
USA	19,430	—	\$79,260



Top 5 Core Tasks According to Current Job Holders

Importance
Frequency (out of 100)

Isolate and maintain cultures of bacteria or other microorganisms in prescribed or developed media, controlling moisture, aeration, temperature, and nutrition.

Daily

95

Study growth, structure, development, and general characteristics of bacteria and other microorganisms to understand their relationship to human, plant, and animal health.

Daily

90

Examine physiological, morphological, and cultural characteristics, using microscope, to identify and classify microorganisms in human, water, and food specimens.

Daily

89

Provide laboratory services for health departments, community environmental health programs, and physicians needing information for diagnosis and treatment.

Daily

85

Investigate the relationship between organisms and disease, including the control of epidemics and the effects of antibiotics on microorganisms.

Daily

83