



New Mexico State Personnel Office

2600 Cerrillos Road
Santa Fe, New Mexico 87505-0127

Classification Description

MEDICAL SCIENTISTS, EXCEPT EPIDEMIOLOGISTS

<u>Class Title</u>	<u>Class Code</u>	<u>Pay Band</u>	<u>Alt Pay Band*</u>
Medical Scientists, Xcpt Epidmlgst-B	F1042B	65	
Medical Scientists, Xcpt Epidmlgst-O	F1042O	70	
Medical Scientists, Xcpt Epidmlgst-A	F1042A	75	

**In accordance with SPB Rule 1.7.4.10 NMAC, the assignment to alternative pay bands shall be reviewed annually to determine their appropriateness.*

Occupation Description

Conduct research dealing with the understanding of human diseases and the improvement of human health. Engage in clinical investigation or other research, production, technical writing or related activities. Include medical scientists such as physicians, dentists, public health specialists, pharmacologists and medical pathologists.

Nature of Work

Medical scientists research human diseases and conditions with the goal of improving human health. Most medical scientists conduct biomedical research and development to advance knowledge of life processes and of other living organisms that affect human health, including viruses, bacteria, and other infectious agents. Past research has resulted in advances in diagnosis, treatment, and prevention of many diseases. Medical scientists engage in laboratory research, clinical investigation, technical writing, drug development, regulatory review, and related activities. Medical scientists study biological systems to understand the causes of disease and other health problems. They use this knowledge to develop treatments and design research tools and techniques that have medical applications.

Distinguishing Characteristics of Levels

Note: Examples of Work are intended to be cumulative for each progressively higher level of work. The omission of specific statements does not preclude management from assigning other duties which are reasonably within the scope of the duties.

Basic

- Employees in this Role inspect public and private hospitals and clinical laboratories to ensure compliance with state and federal law.

Recommended Education and Experience for Full Performance

Bachelor's Degree in Biology, Microbiology, and/or Chemistry, and four (4) years in professional microbiological laboratory experience.

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Minimum Qualifications

Bachelor's degree in Biology, Microbiology, and/or Chemistry and one (1) year of laboratory experience.

Operational

- Employees in this Role serve as consultants to clinical and environmental laboratories.
- Employees provide recommendations for correction of deficiencies found during inspection visits.
- Employees prepare and present training courses to staff personnel of the clinical, hospital, and environmental laboratories.

Recommended Education and Experience for Full Performance*

Bachelor's Degree in Biology, Microbiology, and/or Chemistry and four (4) years in professional microbiological laboratory experience.

Minimum Qualifications

Bachelor's degree in Biology, Microbiology, and/or Chemistry and three (3) years of laboratory experience.

Advanced

- Employees in this Role provide internal quality control activities within scientific laboratories.
- Employees function as a technical consultant within area of expertise.
- Employees may be responsible for program planning and daily operations of a scientific laboratory or project.

Recommended Education and Experience for Full Performance

Masters Degree in Biology, Microbiology, and/or Chemistry, and four (4) years in professional microbiological laboratory experience.

Minimum Qualifications

Bachelor's degree in Biology, Microbiology, and/or Chemistry and four (4) years of laboratory experience.

Knowledge and Skills

*Note: This information has been produced by compiling information and documentation provided by O*NET. O*NET™ is a trademark of the U.S. Department of Labor, Employment and Training Administration.*

Knowledge

Biology — Knowledge of plant and animal organisms, their tissues, cells, functions, interdependencies, and interactions with each other and the environment.

English Language — Knowledge of the structure and content of the English language including the meaning and spelling of words, rules of composition, and grammar.

Mathematics — Knowledge of arithmetic, algebra, geometry, calculus, statistics, and their applications.

Medicine and Dentistry — Knowledge of the information and techniques needed to diagnose and treat human injuries, diseases, and deformities. This includes symptoms, treatment alternatives, drug properties and interactions, and preventive health-care measures.

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Chemistry — Knowledge of the chemical composition, structure, and properties of substances and of the chemical processes and transformations that they undergo. This includes uses of chemicals and their interactions, danger signs, production techniques, and disposal methods.

Administration and Management — Knowledge of business and management principles involved in strategic planning, resource allocation, human resources modeling, leadership technique, production methods, and coordination of people and resources.

Communications and Media — Knowledge of media production, communication, and dissemination techniques and methods. This includes alternative ways to inform and entertain via written, oral, and visual media.

Education and Training — Knowledge of principles and methods for curriculum and training design, teaching and instruction for individuals and groups, and the measurement of training effects.

Personnel and Human Resources — Knowledge of principles and procedures for personnel recruitment, selection, training, compensation and benefits, labor relations and negotiation, and personnel information systems.

Skills

Science — Using scientific rules and methods to solve problems.

Critical Thinking — Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.

Reading Comprehension — Understanding written sentences and paragraphs in work related documents.

Complex Problem Solving — Identifying complex problems and reviewing related information to develop and evaluate options and implement solutions.

Speaking — Talking to others to convey information effectively.

Active Listening — Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times.

Writing — Communicating effectively in writing as appropriate for the needs of the audience.

Active Learning — Understanding the implications of new information for both current and future problem-solving and decision-making.

Judgment and Decision Making — Considering the relative costs and benefits of potential actions to choose the most appropriate one.

Monitoring — Monitoring/Assessing performance of yourself, other individuals, or organizations to make improvements or take corrective action.

Statutory Requirements: N/A

Conditions of Employment: Working Conditions for individual positions in this classification will vary based on each *agency's utilization, essential functions, and the recruitment needs* at the

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time a vacancy is posted. All requirements are subject to possible modification to reasonably accommodate individuals with disabilities.

Default FLSA Status: Exempt. FLSA status may be determined to be different at the agency level based on the agency's utilization of the position.

Bargaining Unit: This position may be covered by a collective bargaining agreement and all terms/conditions of that agreement apply and must be adhered to.

Established: 07/07/2001 **Revised:** 9/4/2015 (min quals)

**Adapted from the United States Bureau of Labor Statistics and are intended to illustrate the typical education and experience required for this occupation.*

Note: Classification description subject to change. Please refer to the SPO website www.spo.state.nm.us to ensure this represents the most current copy of the description.