



Molecular Biologist I

Salary Group: B16

Class Code: 4212

CLASS TITLE	CLASS CODE	SALARY GROUP	SALARY RANGE
MOLECULAR BIOLOGIST I	4212	B16	\$40,918 - \$61,130
MOLECULAR BIOLOGIST II	4214	B18	\$45,521 - \$71,055
MOLECULAR BIOLOGIST III	4216	B20	\$51,158 - \$81,351
MOLECULAR BIOLOGIST IV	4218	B22	\$57,614 - \$93,138
MOLECULAR BIOLOGIST V	4220	B24	\$65,104 - \$106,634

GENERAL DESCRIPTION

Performs routine (journey-level) molecular biology work. Work involves conducting nucleic acid analyses and testing of materials, reagents, and clinical/non-clinical specimens; and assisting with research studies. Works under moderate supervision, with limited latitude for the use of initiative and independent judgment.

EXAMPLES OF WORK PERFORMED

Prepares and analyzes specimens using advanced molecular techniques for the diagnosis and/or detection of bacteria, viruses, parasites, and/or genetic characteristics.

Prepares test solutions, standards, controls, and reagents for advanced molecular genetic procedures.

Interprets molecular biology test results.

Maintains, calibrates, and/or sterilizes laboratory equipment.

Conducts research and quality control tests on reagents and materials.

Assists with preparing technical reports and research papers.

May assist in the development and implementation of molecular genetic laboratory procedures and safety guidelines.

Performs related work as assigned.

GENERAL QUALIFICATION GUIDELINES

EXPERIENCE AND EDUCATION

Experience in molecular biology work. Graduation from an accredited four-year college or university with major coursework in molecular biology, biochemistry, genetics, immunology, microbiology, or a related field is generally preferred. Experience and education may be substituted for one another.

KNOWLEDGE, SKILLS, AND ABILITIES

Knowledge of the multidisciplinary principles and advanced techniques of biology, molecular biology, immunology, genetics, chemistry, physics, math, and statistics; unidirectional workflow and aseptic techniques to reduce the potential for contamination; and emerging molecular technologies.

Skill in the operation of molecular biology laboratory equipment and in the use of a computer and applicable software.

Ability to conduct advanced molecular analyses and tests, to interpret molecular biology test results, to prepare testing reagents, and to communicate effectively.