NEW AUG 0 - 1987

OHIO CLASSIFICATION SPECIFICATION *Developed for Equal Opportunity*	CLASS TITLE: Microbiologist 2	CODE: 83212C
	MAJOR AGENCIES: County Offices, Universities	JURISDICTION: County, Univ.

FUNCTION: Under general supervision from microbiology supervisor, conducts special &/or more complex microbiological preparations, examinations, identifications, analyses, isolations, evaluations &/or tests, performs laboratory tests in bacteriology, chemistry, hematology, immunology & urinalysis & participates in collaborative analysis; PERFORMS RELATED DUTIES AS REQUIRED

RANK	% OF TIME	JOB DUTIES	MAJOR WORKER CHARACTERISTICS
1	35-45	Conducts special &/or more complex microbiological preparations, examinations, identifications, analyses, isolations, evaluations &/or tests (e.g., prepares concentrations & examines stained slides for presence of intestinal &/or blood parasites, their throphozoites, cysts or eggs; prepares stains, standard solutions & reagents necessary for enteric bacteriological identifications; performs complete professional examination, isolation & identification on test specimens for evidence of mycobacteria & sensitivity to antibiotics; performs cultures, isolations & identifications of anaerobic bacteria & assists in biochemical & fluorescent antibody procedures for confirmation of gonorrheal organisms); observes innoculated host system for evidence of infection, analyzes isolated viruses & chlamydia & maintains cell lines for all tissue culture host systems; conducts special antibody tests for arbovirus diseases & performs complement fixation tests for respiratory viruses, mumps, rubeola & other virus types; isolates vector-borne disease agents by cell culture & lab animal innoculation & identifies isolated pathogens by neutralization, complement fixation or fluorescent antibody tests; conducts surveys & performs tests to maintain required standards in water & milk certification programs & glassware sanitation & sterilization; analyzes blood specimens for all tests performed in hereditary & metabolic diseases; examines agricultural products for ingredient composition & identification of adulterants; performs variety of biological tests & pathological services in avian & pseudorabies serology).	Knowledge of (1) microbiology, (2) microbiological laboratory techniques & related safety practices; skill in (3) use & maintenance of laboratory testing equipment; ability to (4) understand somewhat abstract field of study as in chemistry, microbiology, immunology, virology or serology, (5) use proper research methods in gathering data, (6) understand technical manuals & instructions associated with microbiology, (7) use hands skillfully.

(1096)

123:1-7-17

*Developed after employment

UNUSUAL WORKING CONDITIONS:

MINIMUM CLASS REQUIREMENTS: *(including license, if any.)* Completion of undergraduate major program core coursework in microbiology as required by college or university & 6 mos. microbiological experience, or 6 mos. exp. as Microbiologist 1, 83211, or in comparable position (or 30 mos. microbiology experience); or equivalent.

NEW AUG 0 2 1981

OHIO CLASSIFICATION SPECIFICATION *Developed for Equal Opportunity*	CLASS TITLE: Microbiologist 2	CODE: 83212 C
	MAJOR AGENCIES: County Offices, Universities	JURISDICTION: County, Univ

RANK	% OF TIME	JOB DUTIES	MAJOR WORKER CHARACTERISTICS
2	35-55	Performs laboratory tests in bacteriology, chemistry, hematology, immunology & urinalysis; carries out microbiological procedures for isolation & identification of bacteria & fungi; prepares stains, standard solutions & antigens; prepares highly specialized media & reagents used for biochemical testing in mycology & parasitology; prepares, processes & mails proficiency testing specimens for chemistry, hematology, immunohematology, bacteriology & syphilis serology.	Knowledge of 1, 2; skill in 3; ability to 4, 5, 6, 7.
3	10-20	Participates in collaborative analysis, attends meetings & reviews literature to maintain professional status on new procedures; conducts periodic quality control tests as instructed; maintains detailed records of testing programs & reports on tests performed & reagents used; performs research to improve & develop methods & procedures; interprets & applies laboratory procedures.	Knowledge of 1, 2; ability to 4, 5, 6, 7.

123:1-7-17 (1097)

*Developed after employment

UNUSUAL WORKING CONDITIONS:	MINIMUM CLASS REQUIREMENTS: *(including license, if any.)*	TRAINING & DEVELOPMENT: