

## MEDICAL TECHNOLOGIST

### KIND OF WORK

Professional clinical laboratory analysis.

### NATURE AND PURPOSE

An employee in this class is responsible for performing clinical tests of fundamental importance in the determination of treatment and discharge of patients using standard laboratory techniques and procedures. A Technologist also performs preliminary work in the preparation of specimens to be sent to the State Health Department laboratories for analysis. In some instances, an experienced employee in this class may direct the work of less experienced employees in this class or other laboratory personnel. General direction and review is provided by the Medical Technologist 2 or the Medical Director or staff physicians.

EXAMPLES OF WORK (A position may not include all the work examples given, nor does the list include all that may be assigned.)

Performs the following laboratory procedures so that accurate results are readily available to physicians and others needing the results of tests or analysis.

Performs routine urine examinations, microscopic examinations and other quantitative tests on urine.

Conducts hemoglobin tests and white, red and differential blood counts.

Makes blood groupings and does cross matching for transfusions.

Performs basal metabolism tests and electrocardiograms.

Conducts spinal fluid examinations involving cell counts and quantitative protein, sugar, chloride and colloidal gold tests for syphilis.

Stains and exams bacteriological specimens.

Embeds tissues and mounts tissue for microscopic study.

Prepares smears, slides and solutions as required.

Exams spatium and excreta.

Conducts special tests as prescribed on sedimentation rate, blood and urine chemistries and gastric analysis.

Takes blood samples for Wassermann and agglutination tests to be made at the State Health Department laboratory.

Supervises the cleaning of laboratory apparatus, equipment and premises so that health and safety standards are satisfied.

Orders and maintains supplies so that laboratory can function effectively and efficiently.

Directs activities of other laboratory employees so that the objectives of the laboratory are achieved.

### KNOWLEDGE, SKILLS AND ABILITIES REQUIRED

#### Knowledge of:

Considerable knowledge of modern laboratory principles and techniques and ability to apply them as clinical and X-ray analysis for diagnosis of disease.

Considerable knowledge of the principles of chemistry, physics, hematology and bacteriology and ability to assist in research projects as directed.

Working knowledge of literature and recent developments in medical laboratory work.

#### Ability to:

Ability to conduct laboratory work independently and to relieve physicians of the work leading to the interpretation of the laboratory findings.

Ability to direct the work of a group lesser experienced laboratory personnel.

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T.C.: 01/85  
Former Title(s): Medical  
Technologist 1