

29 - LABORATORY TECHNICIAN

Note: All PHCs, CHCs, Civil Hospitals have been provided with a post/s of Laboratory Technicians. The Laboratory Technician will be under the direct supervision of the Medical Officer, PHC. The Lab. Tech. Will carries out the following duties:

I. GENERAL LABORATORY PROCEDURES

1. Maintain the cleanliness and safety of the laboratory.
2. Ensure that the glassware and equipment are kept clean.
3. Handle and maintain the equipments.
4. Sterilize the equipment as required.
5. Dispose off the specimens and infected material in a safe manner as prescribed under the bio-medical waste management protocol issued by pollution control board of Govt. of Himachal Pradesh. He will meticulous observe the universal precautions against infections.
6. Maintain the necessary records of investigations done and submit the reports to the M.O. In-charge of the Institution.
7. Prepare monthly reports regarding his work and submit it to the M.O. In-charge Institution.
8. He will maintain the logbook of all the equipments in the department.
9. He will collect the charges as fixed by the hospital authorities and deposit them with the cashier at required regularly intervals.
10. He will perform emergency call duties as per the roster.
11. He will indent and maintain the records of the stock.
12. He will ensure proper segregation and disposal of bio-medical waste.
13. He will perform any other duties as may be assigned by the hospital authorities.

II. LABORATORY INVESTIGATIONS

1. CARRY OUT EXAMINATION OF URINE

- i. Urine examination, specific gravity and PH, sugar, protein (albumen), bile pigments and bile salts, ketene bodies and microscopic examination.

2. CARRY OUT EXAMINATION OF STOOLS

- i. Macroscopic and Microscopic examination

3. CARRY OUT EXAMINATION OF BLOOD:

- i. Collection of blood specimen by finger prick technique.
- ii. Hemoglobin estimation, Hb, TLC, DLC, ESR, RBC count, WBC count (total and differential) and trust of bio-chemistry depending on the availability of equipment and reagents.

- iii. Blood and urine culture, widal test, blood grouping and cross matching.
- iv. Test required for blood transfusion, HIV, Hepatitis-B, Malaria and VDRL.
- v. Preparation, staining and examination of thick and thin blood smears for malaria parasites and microfilarae.

4. CARRY OUT EXAMINATION OF SPUTUM.

- i. Preparation, staining and examination of sputum smears for Mycobacterium tuberculosis.(RNTCP- DOTS)

5. CARRY OUT EXAMINATION OF SKIN AND SMEARS OF LEPROSY PATIENTS

- i. Preparation, staining and examination of sputum smears for Mycobacterium laprae.
- ii. Preparation, staining and examination of nasal smears for Mycobacterium laprae.

6. CARRY OUT EXAMINATION OF SEMEN

- i. Microscopic examination
- ii. Sperm count and motility.

7. PREPARE THROAT SWABS

- i. Collection of throat swab and examination of diphtheria.

8. TEST SAMPLES OF DRINKING WATER

- i. Testing of sample gross impurities.

9. IN ADDITION TO THE LABORATORY INVESTIGATIONS ALREADY LISTED, HE WILL CONDUCT ALDEHYDE TEST.

- i. He will maintain all records of sera samples drawn, Aldehyde test conducted, positives etc.
- ii. He will also assist in Kala Azar search operations.
- iii. In addition to the laboratory investigations already listed, he will collect sera samples from suspected encephalitis cases.
- iv. He will maintain all records of sera samples drawn and their results from Virology Lab.

III. MAINTENANCE OF RECORDS AND REGISTERS UNDER NMEP

- 1. He will maintain all records of slides examined by him must get the positive slides confirmed by the Medical Officer of PHC.
- 2. Daily progress and output register of blood slide examination.
- 3. The backlog chart of pending radical treatment vis-à-vis collected slides.
- 4. Any other job assigned by the Head of Office.