



COLLEGE OF PHYSICIANS AND SURGEONS OF MUMBAI

MINIMUM STANDARD REQUIREMENTS (MSR)

Diploma in Pathology & Bacteriology

College of Physicians and Surgeons of Mumbai

CPS House, Dr. E. Borges Marg, Parel, Mumbai – 400012.

Diploma in Pathology & Bacteriology (DPB)

- 1. Demonstration room:** One demonstration room should be available with overhead projector, LCD and other audio-visual aids.
- 2. Library cum seminar room:** Preferably air-conditioned, with a minimum seating capacity of 20 and minimum 80 speciality and reference books and subscription of at-least 2 national and 1 international journal.
- 3. Departmental office:**
- 4. Accommodation for all faculty:** Separate accommodation/ sitting arrangements for the unit head and assistant faculty.
- 5. Accommodation for other departmental staff:** Following separate sections of Pathology are required along with sufficient number of technical staff in each section.
 - Biochemistry section
 - Histopathology & Cytology section
 - Microbiology section
 - Haematology section
 - Serology section
 - Museum with minimum 25 specimen, models and charts
 - Blood bank (separate blood bank or MOU with nearest blood bank for student's posting)
 - Rooms for specialised work e.g. IHC, Autopsy, Frozen section, Endocrinology setup, Semen banking (Optional)
- 6. OPD:** Central clinical laboratory in the OPD section of the hospital well equipped with all the instruments pertaining to above sections of working.
- 7. Bed:** Not applicable
- 8. Instruments and equipment:**

Sr. No.	Instrument	Number
1.	Laboratory benches with cupboards and rack for reagent bottles, water, gas and electric points, etc.	As necessary.
2.	Glassware, test tubes, collection bulbs/tubes	As necessary
3.	Rotary Microtomes	1
4.	Hot plates	1
5.	Hot air (50 degree Celsius) oven	1

6.	HistoKinette / Automated Tissue processor	1
7.	Cabinet for 1000 slides	Min. 2
8.	Staining racks for staining in bulk	10
9.	Coplin jars	15
10.	Tissue Flootation bath	1
11.	Microscopes, Binocular	Min. 6
12.	Polarising attachments for microscopes	Optional
13.	Hot plat electric	1
14.	Laboratory Counter nine keys clay Adams	6
15.	Slide boxes for 100 slides	10
16.	Sternal puncture needle Adult size	2
17.	Sternal puncture needle Pediatric size	2
18.	Bone marrow trephine biopsy needle	2
19.	Liver Biopsy needle	2
20.	Electrophoresis apparatus	Optional
21.	Museum jars	As required
22.	Drawing instruments and colours for photo artist	1 set
23.	Surgical instruments	1 set
24.	Electrical Centrifuge	3
25.	Incubator	1
26.	Haemocytometers with red and white pipettes	3
27.	Haemoglobinometers, Sahli's type	3
28.	Sedimentation apparatus-Westergren and Wintrobe	2 each
29.	Urinometers	2
30.	Albuminometers, esbachs&Aufrech's type	2
31.	Pipettes of various sizes	As required
32.	Refrigerators	2
33.	Laminar flow table with Ultra Violet (U.V.) Lamps	1
34.	Venereal Diseases Research Laboratory (V.D.R.L.) shaker	1
35.	Elisa Reader	1

36.	Semiautomated / fully automated biochemistry analyser	1
37.	3 part / 5 part differential Haematology cell counter	1
38.	Coagulometer	1
39.	Anaerobic culture facility	Optional
40.	Vortex mixers	1
41.	Electrolyte analyser	1
42.	Biomedical waste system requirements	As required

9. Teaching faculty:

Each unit should consist of following faculty

- a. Main faculty: A “Unit Head” / “Main faculty (Guide)” must have at least six years of professional standing after acquiring the post-graduate qualification like MD/MS/DNB/FCPS in concerned speciality.

For Government Institutions/Hospitals owned by local bodies [e.g. corporation] faculty on contractual basis is allowed, provided that he/she shall be on full time basis to the affiliated institute. (Supportive documents should confirm the full time status of faculty)

- b. Assistant faculty: An “Assistant faculty” shall have at least four years of professional standing after acquiring the post-graduate qualification like MD/MS/DNB/FCPS in concerned speciality.

For Government Institutions/Hospitals owned by local bodies [e.g. corporation] faculty on contractual basis is allowed, provided that he/she shall be on full time basis to the affiliated institute. (Supportive documents should confirm the full time status of faculty)

- c. Visiting faculty (Desirable): A “Visiting faculty” should be from the same or Allied speciality, preferably having a clinical experience of at least four years.

For Government Institutions/Hospitals owned by local bodies [e.g. corporation] faculty on contractual basis is allowed, provided that he/she should visit the institution at least two times in a week for two hours and also be available to provide his services to the institutions as and when required.

There is no retirement age for faculty provided that he/she should be mentally and physically fit to

perform the duties and responsibilities as per the post/position given by affiliated institution.

10. Clinical material:

1. Haematology – Minimum 50 cases & 200 investigations
2. Biochemistry – Minimum 50 cases & 300 investigations
3. Microbiology – Minimum 20 cases & 100 investigations
4. Serology – Minimum 25 cases & 100 investigations
5. Cytology – Minimum 10 cases
6. Histopathology – Minimum 5 cases