

DEPARTMENT OF MICROBIOLOGY

INFRASTRUCTURE OF THE DEPARTMENT:

a. Collection Centre - Functioning in Central Laboratory

No of rooms : 1

Area of each Collection room (add rows)

	Area in M ²
Room 1	12.41 Sqm.

Waiting area : 33.94 M²

Space and arrangements : Adequate.

b. Department office details:

Department Office	
Department office	Available
Staff (Steno /Clerk)	Available
Computer and related office equipment	Available
Storage space for files	Available

Office Space for Teaching Faculty/residents	
Faculty	Available
Head of the Department	Available
Professors	Available
Associate Professors	Available
Assistant Professor	Available
Senior residents rest room	Available
PG rest room	Available

c. Seminar room/Demonstration Room:

Space and facility : **Adequate**

Particulars	Seminar room	Demo room
Size (Area)	45 Sq. m	60 Sq. m
Capacity	30	50
Water Supply	Not applicable	Not applicable
Sinks	Not applicable	Not applicable
Electric points	Adequate	Adequate
Cupboards*	Not applicable	Not applicable

Space and facility: **Adequate**

Internet facility: **Available**

Equipment details: 4 overhead projectors, 1 smart board.

d. Departmental Museum:

Space	80 sq mt (Shared With Pharmacology)
Total number of Mounted Specimens	45
Total number of Wet Specimens	4
Total number of Chart/ Diagrams	43

e. Equipment:

Equipment name	Numbers Available	Important specifications in brief
Binocular Microscopes	63	Magnus MLX plus
Fluorescence Microscope	01	Nikon Eclipse E200
Inverted Microscope	01	Nikon TS 100
Multi-header Microscope	3	Shared with Pathology 2 Penta head, 1 Deca head
BOD Incubator	2	YOERCO
Bacterial incubator	7	METALAB, Manish
Hot air oven	3	METALAB, Manish
Autoclave	4	Bionics, MC Dalal
Centrifuge	8	Eppendorf Microcentrifuge 8479, Minicentrifuge BR Biochem 600, Remi R4C, cooling Remi cooling centrifuge 16000 RPM, Remi C-854/8, Remi R8C, Remi C852/4.
Anoxomat / McIntosh Fildes Jar	2	GasPak, HiMedia
pH meter	2	Elico pH meter 003/7248
Electronic Weighing balance	2	SF-400C, Vikram Scientific
Candle Jar	2	
VDRL shaker/ Rotator	3	VDRL Rotator - Dolphin, Thermomixer - Eppendorf , Thermo Fisher
ELISA Washer	1	Automated washer, Meryl
ELISA READER	2	Meryl Lyzer – EIA QUANT, Tulip
LCD screens	4	
Deep Freezer -20 ⁰	2	PHCBI MDF, Blue star CHF300B
Deep Freezer -80 ⁰	1	PHCBI MDF – U74V – PE

Laminar flow Horizontal	1	Kartos International A52
Laminar flow Vertical	2	MicroFilt 84213920
Biosafety cabinet BSL2	4	ESCO AB2-451, ESCO B2-114, ESCO LA2-4A1, Maxisafe 422, BioBench solution
Digital water bath	2	MC Dalal
Automated blood culture	1	BACTALERT 3D - bioMerieux
RT (Real Time)-PCR	2	Quantstudio5 - Thermo Fisher, Abbot M 2000sp
Conventional PCR	1	Veriti Thermal cyclers 4375786, Thermo Fisher
GeneXpert	-	TRU NAAT, Molbio Diagnostics available in Respiratory Medicine Dept.
CLIA (Chemiluminescence-Immunoassay)	-	Beckman Coulter Access 2 Shared with Biochemistry
Any other equipment		
Automated bacterial identification & susceptibility testing system,	1	VITEK 2 , bioMerieux
Phase Contrast / Dark Field Microscope	1	NIKON E-200
Imager system	1	Thermo Fisher 4466611E-Gel TM
Automated RNA extraction machine	1	M Abbot 2000 sp,
Air sampler	1	Air petri sampling system LA637

SERVICES:

i. Total number of Laboratories in the department:

Name of the Laboratory	List of essential equipment Available
Bacteriology	Biosafety cabinet Class 2 B2, Incubator, BACTALERT 3D, VITEK 2, Binocular microscope, refrigerator, anaerobic jar, computer system, BOD incubator.
Serology/ Immunology	Incubator, water bath, centrifuge, ELISA reader, ELISA washer, VDRL shaker, refrigerator
Virology	RTPCR, micro centrifuge, cold centrifuge, plate centrifuge, thermo mixer, Biosafety cabinet Class 2 A2, Biosafety cabinet class 2 B2, laminar flow, automated RNA extraction machine, gel electrophoresis, gel doc, refrigerator, deep freezer -20, -80.

Mycology	Yes	Incubator, microscope
Parasitology	Yes	Microscope
Mycobacteriology	Yes	Biosafety cabinet Class 2 B2, microscope, incubator, centrifuge, fluorescent microscope, refrigerator
STI lab	Tests performed in serology Lab	VDRL shaker
Anaerobic	Performed in Bacteriology Lab	Gas pack jar
Media Room	Yes	Hot air oven, autoclave, digital weighing machine, pH meter, refrigerator, shaker, inspissator
Hospital Infection Control Testing Facility & Record Keeping	Yes	Air sampler
Any other facility Like ICTC DOTS	Yes, ICTC	Centrifuge, needle destroyer, refrigerator, computer system