

Schedule-VI (FOR PG)
Minimum essential requirements for molecular biology laboratory

Serial Number	Equipment, Instruments, Chemicals and Reagents	Available / Not Available	Deficiency
I. Equipment and Instruments		Not Applicable	
1.	Micropipettes (Different capacities)		
2.	Realtime PCR machine		
3.	UV Spectrophotometer		
4.	High speed centrifuge (high volume)		
5.	High speed centrifuge (small volume)		
6.	UV transilluminator		
7.	Horizontal gel electrophoresis system (Power supply for gel)		
8.	Water bath with temperature controller		
9.	37-degree incubator		
10.	Trinocular Microscope		
11.	Water purifier (Millipore water system)		
12.	Laboratory Hood/ culture Hood		
13.	Weigh balance		
14.	Vortex mixture		
15.	Thermomixer		
16.	Refrigerator		
17.	Vacuum concentrator		
18.	Nutator, Rocking platforms, Orbital shaker		
19.	Imaging systems (Chemiluminescence, fluorescence, phosphoimages)		
20.	Autoclave		
21.	Sterile room with laminar		
22.	- 20 degree Celsius freezer		
II. Consumables: - Glassware, Chemicals, reagents, kits and other accessories as required			
Note: The items specified in this schedule are minimum essential requirements. However, the department shall maintain all requirements as per the need of the syllabus, teaching, training, and research.			

