


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

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



  
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