

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 | | | |
| 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. | Vaccum 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 | |
| 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. | | | |

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