

List of Instruments

| SN | Name of Instrument | Manufacturer | Quantity | Application |
|----|--------------------------------|-----------------------|----------|--|
| 1 | Polymerase Chain Reaction(PCR) | Biotran | 1 | Used for amplification of DNA |
| 2 | Lab Fermentor | Navin Process Systems | 1 | For different microbial fermentation |
| 2 | PAGE and AGE Apparatus | Bangalore Genei | 5 | Separation of Protein and DNA |
| 3 | UV Visible Spectrophotometer | Elico | 1 | To check absorbance of compound |
| 4 | UV Transilluminator | Genei | 1 | Visualization of DNA/RNA Bands |
| 5 | Laminar Air Flow | National | 1 | Aseptic Inoculation in tissue Culture |
| 6 | Research Centrifuge | Remi | 1 | Separation of molecules |
| 7 | Cooling Centrifuge | Remi | 1 | Separation of molecules having low molecular weight |
| 8 | Incubator | Kumar | 3 | To provide optimum temperature for Microbial growth |
| 9 | Autoclave Big | Kumar | 1 | Sterilization |
| 10 | Autoclave Small | Kumar | 2 | Sterilization |
| 11 | Colorimeter | Elico | 2 | To check absorbance of compound |
| 12 | Light and Compound Microscope | Metzer | 15 | For Mcrobial observations |
| 13 | BOD Incubator | Kumar | 1 | To check dissolved oxygen |
| 14 | Microwave Oven | Samsung | 1 | For heating purpose |
| 15 | Deep Freezer | Remi | 1 | Long term Storage of Culture, Chemicals which require freezing temp. |
| 16 | Magnetic Stirrer | Kumar | 2 | For mixing |
| 17 | Electronic Balance | Weigh Star & Shimadzu | 3 | For weighing purpose |
| 18 | Classical weighing Balance | National | 1 | For weighing purpose |
| 19 | Water bath Shaker | Remi | 1 | Provide incubation for Biochemical reactions |
| 20 | pH Meter | Elico | 4 | pH Measurement |
| 21 | Distillation Plant | National | 1 | To get distilled water |
| 22 | Glass Distillation Single | National | 2 | To get distilled water |

| | | | | |
|----|---------------------------|-----------|---|---|
| | assembly | | | |
| 23 | Heating mental | Kumar | 2 | Heating of different chemicals |
| 24 | Lab water bath | Kumar | 1 | Provide incubation for Biochemical reactions |
| 25 | Blender | Remi | 1 | For chopping and mixing purpose |
| 26 | Lab Oven | Videocon | 1 | For heating / Sterilization |
| 27 | Hot Plate | Elico | | For heating purpose |
| 28 | Cyclomixer | Remi | | Mixing |
| 29 | Quick Freeze | Videocon | 2 | For storage of cultures, chemicals at low temp. |
| 30 | Orbital Shaking Incubator | Remi | 1 | Incubation with Aeration |
| 31 | Weighing Pan Balance | Weigh Pan | 1 | For weighing purpose |
| 32 | Homogenizer | Remi | 1 | Mixing |
| 33 | Microtomy | National | 1 | Zoological analysis |
| 34 | Chromatographic Chambers | -- | 4 | Separation of Biomolecules |
| 35 | Soxhlet Apparatus | National | 2 | For Extract Preparation |
| 36 | Membrane Filter Assembly | Metzer | 1 | For Ultrafiltration |
| 37 | Mini Centrifuge | Remi | 1 | Separation of Biomolecules |
| 38 | Conductivity Bridge | Elico | 1 | Measurement of Electric conductivity |

- **Space:**

Department of Biotechnology has five theory class rooms and five laboratories. Covering total built-up area of

- **Hostel:**

The college has its own girl's hostel with capacity of 240 students.