

**HIGH END EQUIPMENTS IN THE DEPARTMENT OF BIOSCIENCES & BIOENGINEERING**

<b>Sl. No</b>	<b>Equipment</b>	<b>Quantity</b>	<b>Location</b>
1.	<b>Gas Chromatograph</b> Make: Varian/ Agilent, Model: 450-GC	01	DCIF-1, ground floor, 'O' block
2.	<b>HPLC-1</b> Make: Shimadju, Model: LC-20AD	01	-do-
3.	<b>HPLC-2</b> Make: Shimadju, Model: LC-20AD	01	-do-
4.	<b>HPLC-3</b> Make: Shimadju, Model: LC-20AD		
5.	<b>FPLC- 1 (FPLC AKTA Prime Plus Excl. Recorder)</b> <u>Make:</u> GE Health care, <u>Model:</u> Prime Plus	01	-do-
6.	<b>FPLC- 2</b> <u>Make:</u> Wipro GE Health Care <u>Model:</u> AKTA PURIFIER 100	01	-do-
7.	<b>Spectrofluorometer</b> <u>Make:</u> Horiba Instruments Inc. <u>Model:</u> Fluoromax-4C	01	-do-

8.	<b>Bioreactors</b> <u>Make:</u> Applikon <u>Model:</u> ADI 1025(01 no.)/ EZ control (01 no.)/ Biostat B-Plus (01 no.)	03 Nos.	DCIF-1A ( <i>Previously Biochemical Engg. Lab</i> ), ground floor, 'O' block
9.	<b>Trinocular phase contrast microscope with fluorescence attachment</b> <u>Make:</u> Nikon, <u>Model:</u> E-200	01	DCIF-1, ground floor, 'O' block
10.	<b>Inverted Microscope</b> <u>Make:</u> Nikon <u>Model:</u> TS-100	01	-do-
11.	<b>Inverted Fluorescence Microscope with camera</b>  <u>Make:</u> Olympus <u>Model:</u> CKX53SF + DP23M		-do-
12.	<b>Autotensiometer</b>  <u>Make:</u> Dataphysics <u>Model:</u> DCAT 11EC	01	-do-
13.	<b>Langmuir-Blodgett Trough (KSV NIMA Langmuir-Blood GETT Medium)</b>  <u>Make:</u> BIOLIN Scientific <u>Model:</u> KSVNIMA	01	-do-
14.	<b>High Speed and High Capacity Centrifuge (Part no.: 75006590)</b>  <u>Make:</u> Thermo Fisher Scientific	01	-do-

	<u>Model</u> : Sorvall Lynx 6000 Superspeed Centrifuge		
15.	<b>Ultracentrifuge</b>  <u>Make</u> : Thermo Fisher Scientific <u>Model</u> : Sorvall WX 100+ Ultracentrifuge	01	-do-
16.	<b>Parallel Fermenter with Accessories</b> (and YSI 2900 Dual Biochemistry Analyzer system, 01 no.)  <u>Make</u> : Infors AG. <u>Model</u> : Minifors 2, Labfors 5	05	-do-
17.	<b>Arial Mx Real Time PCR</b>  <u>Make</u> : Agilent Technologies <u>Model</u> : G8830A	02	DCIF-1, ground floor, 'O' block and DCIF-4, 1 <sup>st</sup> floor, 'O' block
18.	<b>Dynamic Light Scattering (DLS) System</b>  <u>Make</u> : Anton Paar GmbH- Austria <u>Model</u> : LITESIZER 500	01	DCIF-1, ground floor, 'O' block
19.	<b>Rheometer</b>  <u>Make</u> : Anton Paar GmbH- Austria <u>Model</u> : MCR 102e	01	DCIF-4, 1st floor, 'N' block
20.	<b>Lyophilizer</b>  <u>Make</u> : Labogene <u>Model</u> : CS 100-9 Pro-System	01	DCIF-4, 1st floor, 'N' block

21.	<b>Gel Documentation system</b> <u>Make:</u> Cytiva <u>Model:</u> Image Quant 500	01	DCIF-1, ground floor, 'O' block
22.	<b>Rotary Evaporator</b> <u>Make:</u> Allied Scientific, <u>Model:</u> ASP-PBU6D(R160)	01	-do-
23.	<b>Multimode Microplate Reader</b> <u>Make:</u> Thermo Fisher Scientific, <u>Model:</u> Varioskan™ LUX	01	-do-
24.	<b>4210 Microwave Plasma Atomic Emission Spectrometer</b> <u>Make:</u> Agilent Technologies <u>Model:</u> 4210 MP-AES	01	-do-
25.	<b>FTIR (Fourier-transform infrared spectroscopy)</b> <u>Make:</u> Shimadzu <u>Model:</u> IRAffinity-1S WL	01	-do-
26.	<b>CD (Circular Dichroism Polarimeter)</b> <u>Make:</u> JASCO <u>Model:</u> J-1500 (150W)	01	CD room, ground floor, 'N' block
27.	<b>CO<sub>2</sub> incubator</b> <u>Make:</u> Eppendorf, <u>Model:</u> Galaxy CO170S		Mammalian Cell Culture Lab, B. Tech/ M. Tech Lab, top floor, 'N' block

28.	<b>Electroporator</b> <u>Make:</u> Bio-Rad <u>Model:</u> Gene Pulser Xcell (Cat. No.: 165-2660)	01	DCIF-1, ground floor, 'O' block
29.	<b>Sonicator</b> <u>Make:</u> Sonics <u>Model:</u> VCX 750	01	-do-
30.	<b>Sure Cyclor 8800 thermal cyclor</b> <u>Make:</u> Agilent Technologies, <u>Model:</u> Sure Cyclor 8800	01	-do-