

CSIR-INSTITUTE OF MICROBIAL TECHNOLOGY (CSIR-IMTECH), CHANDIGARH			
Priority List for the Financial Year 2026-27			
Sr. No.	Name of the Instrument	Quantity	Estimated Cost (In Lakhs)
1	CD	1	80
2	Multiplex Bead Based Assay system : For multiplex ELISA	1	85
3	Water Purification System (Type 1 and Type 2)	2	30
4	Anaerobic workstation (Anaerobic jar gassing system)	1	14
5	Automated growth curve machine capable of controlled growth under variable shaking speeds	1	54
6	Benchtop Centrifuge and Cell Culture Centrifuge	1 each	20
7	High-end Compute Servers	2	248
8	DLS and Zeta potential analyzer for measurement of size and zeta of dispersed particles and molecules	1	45
9	Inverted Fluorescent Microscope	1	15
10	MTCC server	1	150
11	Multi-mode plate reader	1	25
12	MALDI-TOF biotyper	1	300
13	HR-MS (proteomics and metabolomics)	1	1070
14	HPLC instrument with RID detector, UV detector and autosampler	1	43
15	Prep LC system of 50 ml flow rate (PDA & ELSD)	1	60
16	Lyophilizer/Freeze-drying system (specialized for organic and aqueous solvent)	1	35
17	FACS Facility needs a Flow Analyser and Flow Sorter	1	600
18	Microvolume UV-Vis Spectrophotometer	1	10
19	Lyophilizer	1	35
20	GPU: NVIDIA RTX 4500 ADA or similar	1	5
21	Walk-in plant growth chamber	1	41
22	Confocal microscope required for central facility	1	450
23	Confocal microscope required at the BSL-3 laboratory	1	450
24	Gas Chromatography - Mass Spectrometry (GC-MS/MS-QQQ) with essential accessories	1	150
25	AUC and ITC	1 each	450
26	Colour printer	1	0.8
27	Desktop computer	12	10
28	Printer	5	1.5
29	Laptop	3	3
30	CO2 purging and regulations assembly	1	10
31	Phase contrast microscope	1	30
32	Split AC 1.5 Ton	1	0.8
33	D.I. potable water purification system with HDPE external storage tank	1	6
CHEMICAL AND CONSUMABLES			
Sr. No.	Name of the Consumable items	Qty. (As per requirement)	Appx. Cost per unit (Rs. In Lakhs)
1	JCM 19940 Parasegetibacter terrae		
2	JCM 19111 Citricoccus nitrophenolicus		
3	JCM 12134 Citricoccus muralis		
4	KCTC 22561 Parasegetibacter luojiensi		