



राष्ट्रीय पशु जैव प्रौद्योगिकी संस्थान National Institute of Animal Biotechnology

(An Autonomous Institute of Dept. of Biotechnology, Ministry of Science & Technology, Govt. of India)
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Instruments / Equipment User Charges List



S. No.	Equipment (Make & Model)	Specifications / Use	No. of Samples	Cost (INR)	
				Academic	Corporate
1.	Confocal Microscope (Leica Micro Systems; Leica TCS SP8)	Fluorescence, live cell imaging, time lapse, etc. Excitations: 405nm, 458nm, 488nm, 514nm, 561nm and 633nm	N/A	Rs. 1,800 per hr.	Rs. 3,500 per hr.
2.	Flow Cytometer – Analyzer (BD/LSR Fortessa)	For analyzing fluorochrome labeled cells/beads in 5ml FACS tubes. Excitations: 488 nm, 640nm, 355 nm and 405nm.	1-5 samples	Rs. 750 per sample	Rs. 1,500 per sample
			6-10 samples	Rs. 550 per sample	Rs. 1,150 per sample
			11-15 samples	Rs. 360 per sample	Rs. 750 per sample
			16-30 samples	Rs. 180 per sample	Rs. 400 per sample
			31-50 samples	Rs. 100 per sample	Rs. 200 per sample
			51-100 samples	Rs. 50 per sample	Rs. 100 per sample
3.	Flow Cytometer – Analyzer and Sorter (BD/FACSAria III)	For analyzing and sorting fluorochrome labeled cells/beads. Excitations: 488nm, 633nm, 375nm and 561nm.	96-well plate	Rs. 6,000 per plate	Rs. 12,000 per plate
			1-5 samples	Rs. 1,500 per sample	Rs. 3,000 per sample
			6-10 samples	Rs. 1,000 per sample	Rs. 2,000 per sample
			11-15 samples	Rs. 750 per sample	Rs. 1,500 per sample
			16-30 samples	Rs. 500 per sample	Rs. 1,000 per sample
			31-50 samples	Rs. 200 per sample	Rs. 400 per sample
51-100 samples	Rs. 100 per sample	Rs. 200 per sample			

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				Academic	Corporate
4.	Fast Performance Liquid Chromatography (FPLC; GE Healthcare; ÄKTA pure 25 M)	For protein purification.	N/A	Rs. 200 per hr	Rs. 400 per hr
5.	High Performance Liquid Chromatography (HPLC): Preparative HPLC (Shimadzu HPLC)	C18 Column with Diode Array Detector (200-800nm)	Amino acid analysis	Rs. 720 per sample	Rs. 1,500 per sample
6	High Performance Liquid Chromatography (HPLC): Analytical HPLC (Shimadzu HPLC)	C8 Column with Diode Array Detector (200-800 nm), Fluorescence Detector, Light scatter Detector	Size exclusion	Rs 200 per run	Rs. 400 per run
			Reverse phase separation and purification	Rs 125 per run	Rs 300 per run
7.	Multimode Plate Reader (Perkin Elmer; Enspire)	Absorbance, Luminescence and Time Resolved Fluorescence. Range: 230 to 800 nm.	N/A	Rs. 1,000 per hour	Rs. 2,000 per hour
8.	Ultracentrifuge (Beckman Coulter; Optim XPN-100)	<ul style="list-style-type: none"> • 90 Ti Fixed Angel Rotor with Max RPM 90,000, 8x13.5ml • 19 Ti Rotor with Max. RPM 19,000, 6x250ml • 70 Ti Fixed Angle Rotor with RPM 70,000, 8x38ml • 32 Ti Swing out Rotor with RPM 32,000, 6x38.5ml 	N/A	Rs. 1,000 per hour	Rs. 2,000 per hour
9.	Real Time PCR (Applied Biosystems 7500 Real Time PCR System)	Plate reading	N/A	Rs. 650 per plate	Rs. 1,500 per plate