Department of Bioscience and Engineering, NIT Calicut

Inverted Fluorescent Microscope

Photo of Instrument:

Instrument Name	Inverted Fluorescent Microscope
Instrument Model & Serial No.	Eclipse- Ti FL 549274
Instrument Make	NIKON
Category of Instrument	Bioscience and Technology
Description of Instrument	Inverted fluorescence microscope attached with a CCD camera for taking the fluorescence images of the Biological samples.
Instrument Technical Description and Major Specifications (This Specifications Limited to Major 5)	Inverted fluorescence microscope Motorized stage Light source: High pressure Mercury Lamp Objectives: 40x, 20x and 5x Attached with a camera for taking images
Application of Instrument (Limited to Major 4 or 5)	Observation of fluorescently labelled fixed Mammalian cells and microbial cells. The specimen should be transparent. Non-transparent cannot be observed and imaged
Type of Sample Required for Analysis / Testing (Quantity, Pre-Preparation, State etc.) **Guidelines for Sample Submission – User Instructions**	Biological sample fixed on a glass slide. The sample should be stained with a fluorophore or a fluorophore conjugated antibody. Samples will be charged depending on the number of minutes/hours used.
Types of Analysis / Testing	Analysis

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Faculty In-Charge Name / Email / **Contact**	Dr. Rathinasamy K rathin@nitc.ac.in 0495-22847
Technical Staff Name / Email / Contact	sbtoffice@nitc.ac.in Ms. Sandhyadevi SM, Mr. Jishnu,
Location of Instrument	Downstream Process Laboratory Department of Bioscience and Engineering
Other Details	

User Charges:

S.NO.	Type of Analysis /Testing	Internal - within Department of NITC	Internal - Other Departments NITC	External Academic Educational Institutes	National Labs	Industry
1	Analysis	Free	Rs. 200 per hour	Rs. 200 per hour	Rs. 200 per hour	Rs. 300 per hour

Present Slot Booking and Payment Work Flow: