

High Performance Liquid Chromatography (HPLC)

Photo of Instrument:



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| Instrument Name | HPLC |
| Instrument Model & Serial No. | SHIMADZU & CBM 20A (Detention Unit), SPD-M 20A 230V (Detention Unit), FRC- 10A (Fractional Collection), LC-6AD 230V (Pressure Pump) |
| Instrument Make | SHIMADZU |
| Category of Instrument | Bioscience and Technology |
| Description of Instrument | To identify and quantify chemicals present in samples |
| Instrument Technical Description and Major Specifications (This Specifications Limited to Major 5) | Sampling Option: Injection Sample Volume: 10 μ L Columns: C18 (non-polar) Solvents: Polar Spectrum: UV 190-800 nm |
| Application of Instrument (Limited to Major 4 or 5) | Identification and quantification |
| Type of Sample Required for Analysis / Testing (Quantity, Pre-Preparation, State etc.) Guidelines for Sample Submission – User Instructions | <u>Type of sample</u> : Solid or liquid <u>Quantity</u> : 20 μ L <u>User Instructions</u> : Solids must be dissolved in HPLC grade water or suitable solvents |
| Types of Analysis / Testing | Quantification |
| Faculty In-Charge Name / Email / Contact | Prof. A Santhiagu asanthiagu@nitc.ac.in |
| Technical Staff Name / Email / Contact | Sandhyadevi S M sandhyadevism@nitc.ac.in Sooraj V S soorajvs@nitc.ac.in Jishnu Sudhakaran Jishnusudhakaran@nitc.ac.in |
| Location of Instrument | Bioprocess Laboratory, BSED |

Department of Bioscience and Engineering, NIT Calicut

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| Other Details | |
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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 | Quantification/ Identification | 0/- | 750/- per sample | 1500/- per sample | 1500/- per sample | 2000/- per sample |

Slot Booking and Payment Work Flow: