Email : sales@scilabexport.com
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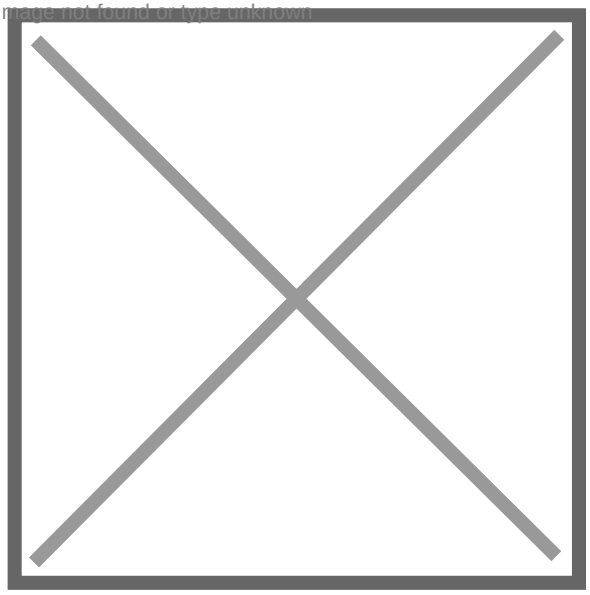
**Product Name :**

High Performance Liquid Chromatography (HPLC)

**Product Code :**

SCI-303/06

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## Description :

**High Performance Liquid Chromatography (HPLC)** (Product Code: SCI-303/06) is a fully automated preparative liquid chromatography system used to separate, detect and collect compounds from mixtures in pharmaceutical, analytical and research laboratories. It runs a quaternary gradient at 0.5 to 10 ml/min with UV or diode-array detection, and its fraction collector allows purification at micro, analytical or preparative scale. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, a laboratory equipment supplier in India, among its analytical lab instruments for home and international markets.

### Specifications

| Parameter | Detail |
|---|---|
| System type | Fully automated preparative system with PC control, detection and collection |
| Pump and mode | Quaternary system, gradient mode, 4 eluents |
| Flow rate | 0.5 to 10 ml/min |
| Operating pressure | High-range operation at 200 bar |
| Purification scale | Micro, analytical or preparative |
| Solvent positions | 24 aqueous buffers, or 12 aqueous buffers and 12 organic modifiers |
| Flow accuracy | < 2% |
| Flow precision | ± 0.1% RSD |
| Composition range | 0 to 100% |
| Composition accuracy | ± 0.5% (stated as independent of back pressure) |
| Detection | UV monitor; diode-array based or UV detector |
| Injection | 4-way injection/purge device |
| Cartridges | 12 mm cartridge adapter set; 1 x 12 mm and 1 x 40 mm pre-packed cartridges |
| Flow-path components | Back pressure regulator; waste diverter valve |
| Fraction collection | Fraction collector; 4 collection racks for a minimum of 30 tubes; 100 x 50 ml tubes compatible with the racks |
| Software and automation | Control unit with control software; network data processing; automatic flushing and column equilibration; sequence generation; set-ups for multiple samples and injections; settings stored as reusable templates; auto-stat and equilibrium programming; multi-method programming with external events |
| Wor | |
| Proc | |