Email : sales@scilabexport.com
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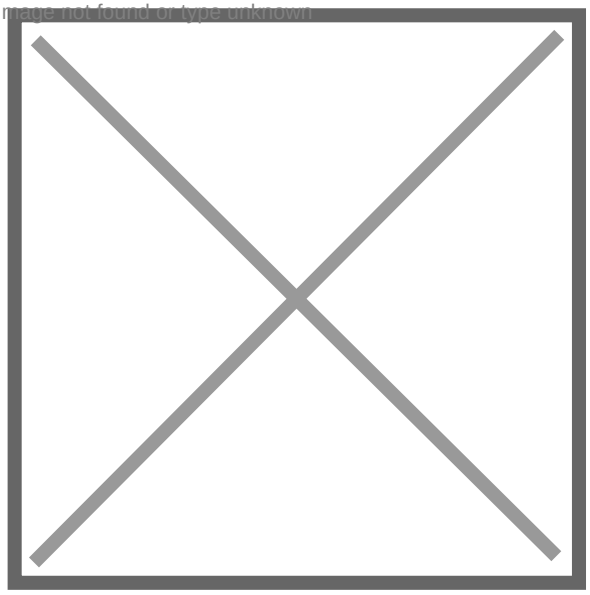
Product Name :

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
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