

High-Performance Liquid Chromatography System

This high-performance liquid chromatography (HPLC) system separates, identifies, and quantifies components in a mixture. It is used in pharmaceutical analysis, food safety testing, environmental monitoring, and chemical research.



Overview

High-Performance Liquid Chromatography System

This high-performance liquid chromatography (HPLC) system is designed for the precise separation, identification, and quantification of components within complex mixtures. Engineered for versatility, it integrates a solvent delivery module, autosampler, column oven, detector, and advanced data processing capabilities into a single cohesive unit. It serves as an essential tool for demanding applications in pharmaceutical analysis, food safety testing, environmental monitoring, and chemical research.

System Components

Included Modules

- Solvent delivery module
- Autosampler
- Column oven
- Detector
- Data acquisition and processing system

Applications

Primary Applications

Pharmaceutical Analysis, Food Safety Testing, Environmental Monitoring, Chemical Research

System Capabilities

Core Functions

Separation • Identification • Quantification