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CATALOGUE

UNIMICRO

> Company Profile

Unimicro Technologies, Inc. was founded in 1996 in California, USA and its main office is in Pleasanton, California. As a high-tech US company located in the Silicon Valley, since its inception, Unimicro has focused its efforts on chromatographic separation and analysis and has made great success, especially on micro-separation filed. Unimicro has successfully developed the electrokinetic High Performance Liquid Chromatography (eHPLC or pCEC) and the fully automated quantitative Capillary Electrophoresis(qCE), which leads the world in micro separation field.


Unimicro has 3 solely owned subsidiaries in China and has made great achievements in China market. Unimicro offers a wide range of products in liquid phase separation, including eHPLC, qCE, CE, HPLC and prep-HPLC instruments and HPLC columns, along with several kinds of detectors such as Evaporative Light Scattering Detector (ELSD), Fluorescence Detector (FLD), Diode Array Detector (DAD) and Laser Induced Fluorescence Detector (LIF).

The mission of Unimicro is to provide excellent service to its customers. Meeting and exceeding customer expectations is the ultimate goal and the company will not tolerate anything less than the total satisfaction of its customers.

www.unimicrotech.com.cn

UNIMICRO

Catalogue

	Evaporative Light Scattering Detector (ELSD)	01
	High Pressure Liquid Chromatography (HPLC)	02
	Diode Array Detector (DAD)	03
	Laser Induced Fluorescence Detector (LIF)	03
	Mass Spectrometry Detector (MSD)	04
	UV/Vis Spectrophotometer (UV)	05
	Unimicro ChromStation Workstation	06
	Consumables & Accessories	07
	Service & Support	08

Evaporative Light Scattering Detector (ELSD)

- Originator and leader in China.
- Special for analysis of non-UV absorbing compounds.
- Widely used in pharmaceutical analysis, food safety, chemical and other fields.
- Coupled with any HPLC systems (including analytical HPLC, preparative HPLC and Flash chromatography)

High Pressure Liquid Chromatography (HPLC)

- Both analytical and preparative HPLC systems are available.
- Professional developed methods are ready for you.
- Unimicro prep-HPLC is designed for sample purification, and is optional to perform Semi-prep-HPLC or prep-HPLC based on desired volume flow rate.

Unimicro ELSD



Analytical HPLC System:

- ▶ Binary pump which can pump two solvents or Binary pump with solvent selection valves which can pump two solvents from four different mobile phase simultaneously is optional.
- ▶ Fully automated operations of every unit of HPLC system, including autosampler, pump, column oven and detector with new keyless exterior design. Customers can easily gain access to reliable data and gain the function of no-person on duty, which can greatly increase the work efficiency. Various of detectors (UV/Vis, DAD, ELSD, FLD, MSD) are available to expand the applications.



Preparative HPLC System:

- ▶ Wide flow range, 50 mL/min (EasySep®-3050 series), 100 mL/min (EasySep®-3100 series) are available, and nanogram to gram sample can be obtained easily.
- ▶ Dual wavelength UV/Vis detector with wavelength ranging from 190-800 nm is available and tungsten lamp is optional.
- ▶ Various of detectors (UV/Vis, DAD, FLD, ELSD, MSD) are available to expand the applications.
- ▶ Autosampler & fraction collector are available. The purification can be done while the users are absent.
- ▶ Providing service to reassemble and repair your prep-HPLC column.



➤ Diode Array Detector (DAD)

- Unimicro offers both analytical (EasySep®-3030) and preparative DAD (EasySep®-3050).
- Based on photodiode array detection type, providing multi-wavelength detection, 3D measurement, peak purity functions.
- Output signal is available in both digital and analogue form. Detector could be controlled by Clarity or Unimicro ChromStation software.



➤ Laser Induced Fluorescence Detector (LIF)

- TriSep®-3000 LIF is a special detector with extremely high sensitivity (10^{-11} M), which can be coupled with HPLC and CE for trace analysis.
- TriSep®-3000 LIF provides incomparable advantages in biological fields, especially for detection and analysis of oligonucleotide, nucleic acid, amino acid, peptide, protein and polysaccharide.



➤ Mass Spectrometry Detector (MSD)

➤ Make everyone to be MS expert

- Built-in vacuum pump and PC.
- Compact design allows customers to place the MS at point of need, even on the bench or in the fume hood.
- Professional software Masscape® helps to monitor biological or chemical reaction on line.



➤ UV/Vis Spectrophotometer

- Advanced operating system and superior technical indicators
- Different configurations to meet different demands.
- Visible spectrophotometer and UV/Vis spectrophotometer are available.
- One of the most commonly used instruments in Lab, be widely used in pharmaceutical, food safety, biological, daily chemical, environmental monitoring, optical materials, petrochemicals and so on.



➤ Unimicro ChromStation Workstation

Unimicro ChromStation is the latest version of Unimicro chromatographic workstation, which controls the operations of every module of HPLC and totally comply with FDA CFR 21 part 11.

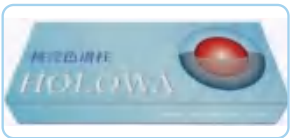
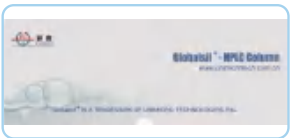
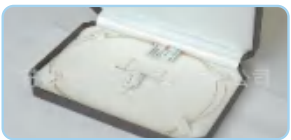
- Strict authority management and audit trial.
- Built-in database to ensure the data security.
- Comply with regulations.
- Easy to use.
- Advance data algorithm.



HPLC COLUMN

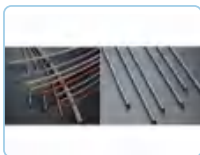
Unimicro offers capillary column, analytical HPLC column and prep-HPLC column and related packing materials.

- **Unimicro ElectroPak® capillary column:** Patented electrokinetic packing technology. It can be used for capillary electrochromatography, capillary liquid chromatography and nano-LC-MS.
- **Unimicro GlobalSil® HPLC column:** Besides analytical HPLC column(UPLC&HPLC),prep-HPLC column and related packing materials, in particular, we can provide service to reassemble and repair your prep-HPLC column.
- **Unimicro HOLOWA core-shell HPLC column:** Super fast speed, high efficiency and durability, which can make your HPLC system achieve UPLC results and make your UPLC more stable.



Consumables parts

Various consumables parts for liquid chromatography are available, such as valves, tubing, deuterium lamp, filters, sample vial and so on.



Service & Support



One-year warranty, life-time maintenance



Holding training classes irregularly depending on the customer's requirements



Offer technical and troubleshooting guide services 24 hours a day



Develop analytical methods and offer technical supports & services



Supply accessories & consumables with favorable price in long term



Sweep the official account