

HPLC-DAD (High-Pressure Liquid Chromatography)

High-pressure liquid chromatography is a system that can be used to remove non-volatile or easily decomposable compounds. High sensitivity is widely used in separation methods due to its ease of adaptation to quantitative analyzes.

HPLC-DAD Applications:

- Food and beverage industry
- Environmental engineering
- Clinical studies
- Petrochemical
- Agriculture
- Analysis of consumption items
- Industrial chemistry
- Pharmacology

Instrument Name: Agilent 1260 Infinity Quaternary LC

Instrument Hardware and Features:

Pump: 1260 Infinity Quaternary Pump

Max Pressure: 600 bar

Flow Rate Range: 0.05 - 5 mL / min at 600 bar pressure - 5 - 10 mL / min at 200 bar pressure

Injection Volume Range: 0.1-100 μ L

Pump Delay Volume: 600-800 μ L

Min. Sample volume: 1-5 μ L for 100 μ L microvials 300 μ L for 1-10 μ L for microvials

Column Sizes: Max length: 300 mm ID: 0.05-8 mm

Max Temperature: 80 °C

Detector Type: 1260 Infinity Diode Array Detector

Max-Light cartridge flow cell: 60 mm optical path width (typical noise: $\leq \pm 0.6 \mu$ AU / cm) ultra precision

Data Rate: 80 Hz

Software: Lab Advisor Software