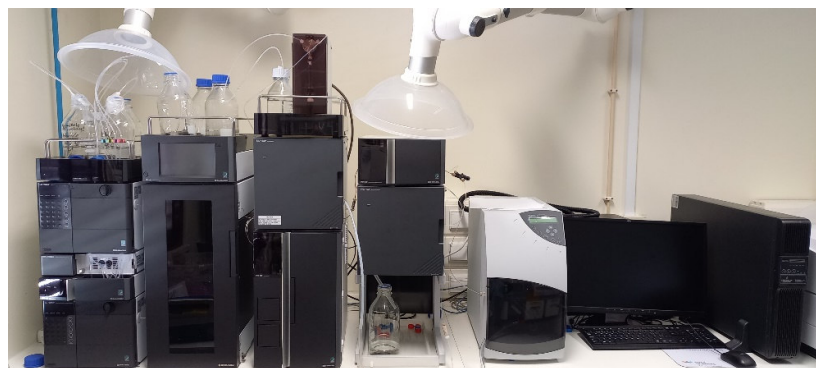




Preparative Chromatography (LC-Prep)



TECHNICAL DETAILS

Manufacturer: Shimadzu

Model: Nexera Prep

Extras: -

HOW IT WORKS?

The LC-Prep is a chromatography system that can be operated at high flows (up to $150 \text{ mL}\cdot\text{min}^{-1}$) and using large injection volumes (up to 20 mL), allowing the purification of compounds (~ grams) from raw extracts.

The system is equipped with a Light Scattering Detector (ELSD LT II), a UV-Vis Detector (SPD-40), an autosampler and a fraction collector. Four solvents can be used in the mobile phase at pressures up to 400 atm.

The system can be operated under analytical or preparative conditions and therefore the scale up to preparative analysis is straightforward.

A Method Scouting Software is available to fast achieve the optimum separation conditions.

APPLICATIONS

Fractionation, purification and concentration of compounds or groups of compounds from natural samples can be performed using this versatile Preparative system.

CCMAR expertise includes:

- Fractionation of raw extracts.
- Purification and concentration of fractions.

ANALYSIS REQUIREMENTS

The system can be operated under analytical, semi-preparative or preparative conditions. Appropriate columns have to be installed for each of conditions. The operation under semi-preparative and preparative conditions requires large volumes of mobile phase.

ACCESS CONDITIONS

Remote and Onsite