

HIGH PRESSURE LIQUID CHROMATOGRAPHY (HPLC)



Intended Use of the Instrument: Separation of components and quantitative analysis

Instrument Brand/Model: Shimadzu LC 20AD

AGU CRF Thematic Laboratory: Chromatographic Analysis Laboratory

Location of the Instrument: AGU-CRF LAB 15

Academic Director(s) of the Instrument:

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Responsible Specialist(s) of the Instrument:

Specialist Şeyma DADI – seyma.dadi@agu.edu.tr

High pressure (performance) liquid chromatography is a technique to determine every component in a liquid sample qualitatively and quantitatively. HPLC is a column chromatographic technique with packed solid adsorbents (stationary phase) in the column and solvent (mobile phase) carrying the components through the column. HPLC is used for separation, purification and qualitative-quantitative analysis in many fields like pharmacology, medicine, food industry and agriculture.