



AUTOMATED, HIGH-PERFORMANCE CHROMATOGRAPHY SYSTEM

(mod Biotage® Selekt Single Bed UV-Vis Academy Bundle)

VENDOR: BIOTAGE SWEDEN AB

YEAR OF ACQUISITION: 2026

SUPERVISING FACULTY MEMBER: Prof. Marco Radi

Technical features:

- Flow rate range: 1-300 mL/min.
- Two column channels.
- Max number of fractions: 144 fractions with no rack change (288 with two collection trays) using 13 x 100 mm racks.
- Max total fraction volume: 3,840 mL with no rack change (7,680 mL with two collection trays), 480 mL bottle racks.
- Operating pressure limit: 30 bar.
- Integrated UV/Vis detector UV/Vis; acquisition range: 198 – 810 nm.

Applications:

- Rapid and automatic purification of crude products in reaction mixtures.
- Isolation of molecules of pharmaceutical, nutraceutical and food interest from matrices of different nature.
- Collection of pure fractions intended for analysis in high-performance liquid chromatography.

Acquired for the Department of Excellence MUR 2023-2027