

Separation of chiral compounds by chromatography

- Automatic Chiral Stationary Phase (CSP) Screening
- High throughput chiral LC-MS
- Semi-preparative chiral chromatography

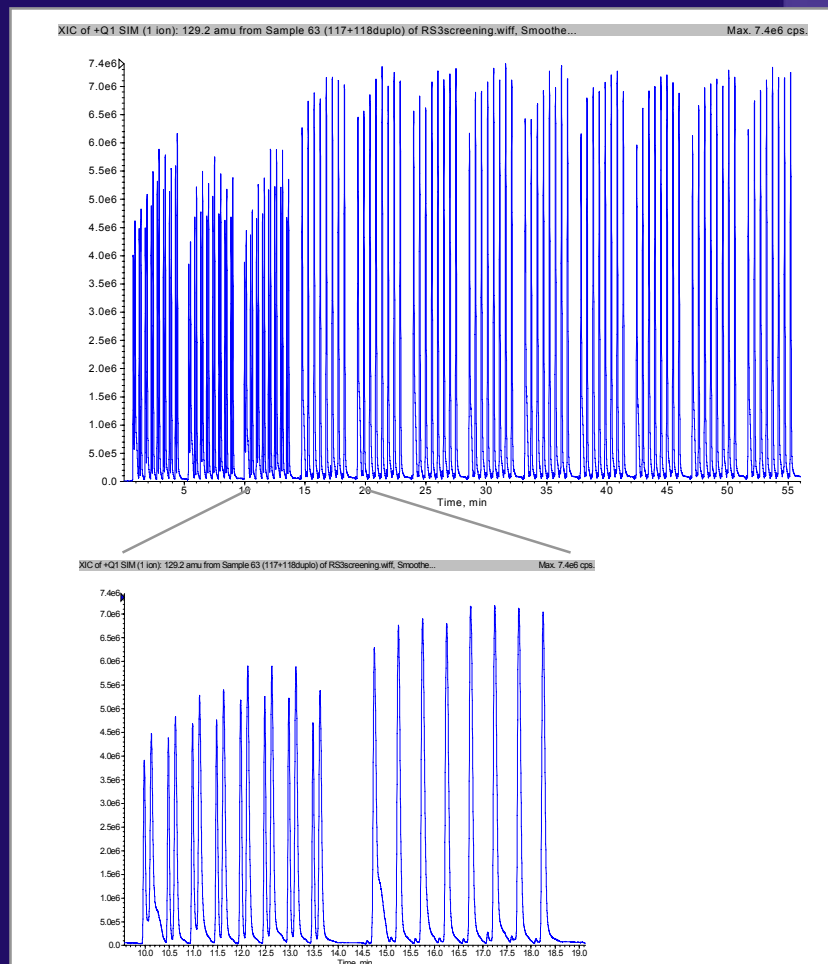
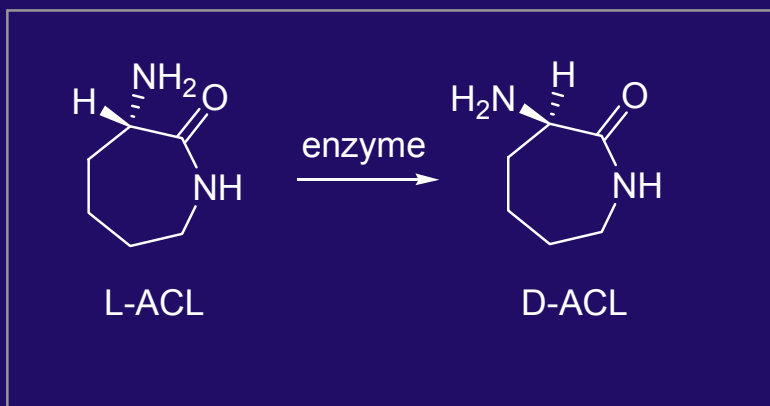
Unlimited.

DSM



High throughput chiral LC-MS

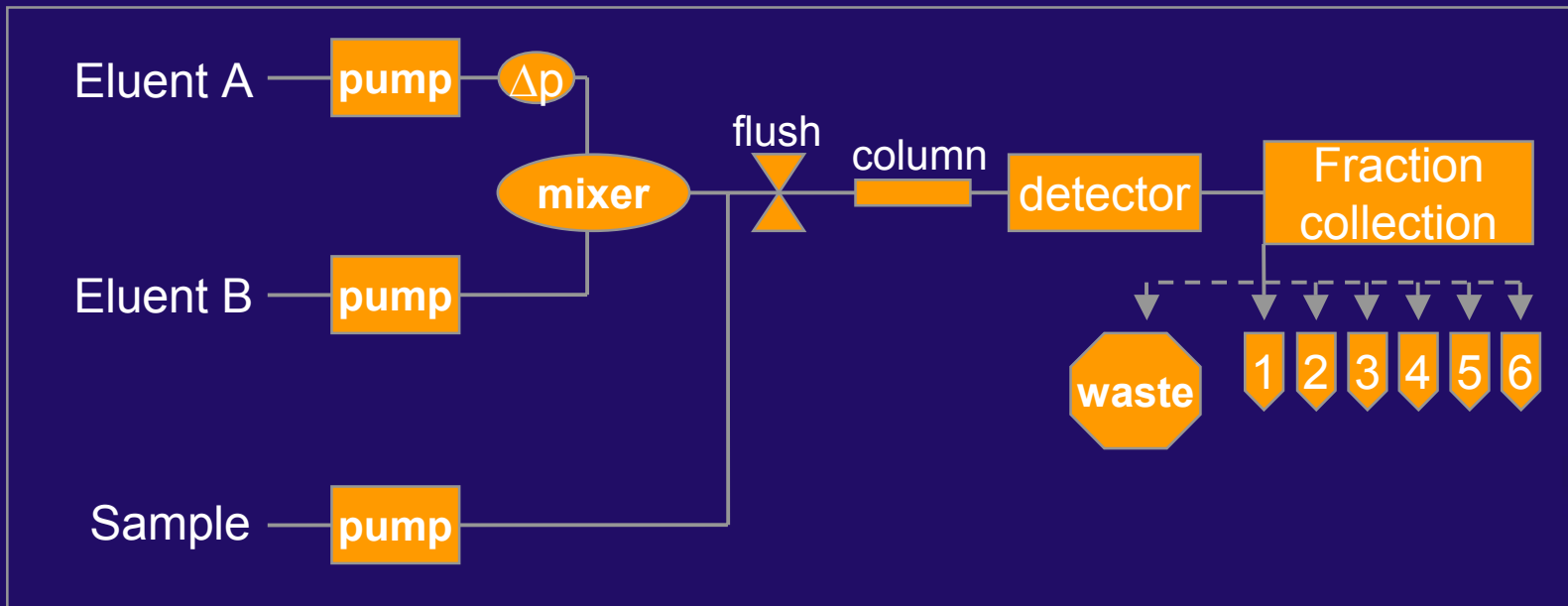
- screening for biocatalysts with racemase activity
- run time less than 1 hour for 96 well plate



Semi-preparative chiral chromatography

- Chromatographic separation of racemates on 25 x 2 cm I.D. Chiralpak AD column
- Preparation of enantiopure compounds on gram scale from racemates

Schematic diagram of preparative HPLC system



Automatic Chiral Stationary Phase (CSP) Screening

- Drastical reduction of method development time
- For HPLC, automatic screening of 6 CSP in combination with several mobile phases
- For GC, automatic screening of 3 CSP

