

# Our strengths

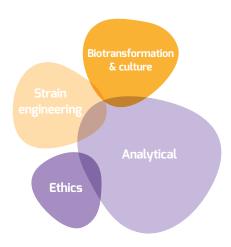
**Low sample volume required** (minimum 30 µl)

**Rapidity of analysis** (up to 21 amino acids in 12 min)

Large concentration range for a same analysis:

0.01 to 1 mM per amino acid

Reliability of automated online derivatization



An integrated solution tailored to the needs, to accelerate the development of industrial biotechnology

### Our service

- > Chromatographic determination of the concentration of the various amino acids in a liquid sample
- Extemporaneous chemical derivatization
- Separation by reverse-phase liquid chromatography (UHPLC)
- · UV or fluorometric detection of derivatives

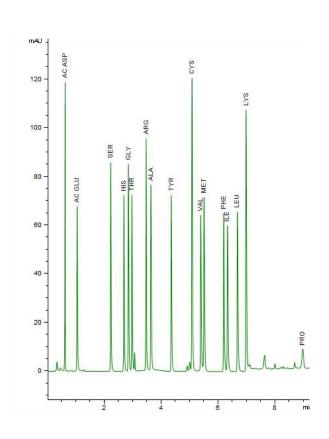
### Deliverables

Concentration of the different amino acids determined in each sample

## Equipment

- > U-HPLC System (Agilent "1290 Infinity")
- > Multisampler (Agilent "1290 Infinity")
- > UV diode array detector
- > Fluorometer





# Some achievements

- > Routine assay in various liquid samples
- > Monitoring of amino acid consumption and mass balance during cell culture
- Identification and monitoring of the production of amino acid-type molecules

#### Additional services

- Development of analytical methods by liquid or gas chromatography
- > Custom assay of molecules
- Determination of the average molar mass of polymers in solution

#### Contact

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Customised estimate on request

