

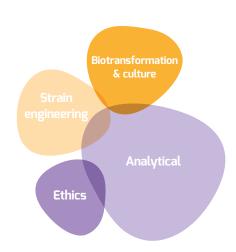
# Our strengths

Diversity of analysed macromolecules

Adaptation to polymer solubility conditions

(aqueous phase or organic solvent)

**Wide range of molar mass** (10³ to 10° g/mol) and size (10 to 500 nm)



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

### Our service

> Study of the polydispersity of a polymer

OF POLYMERS IN SOLUTION

- Determination of the average molar mass of a polymer
- Determination of the dn/dC parameter
- Size-exclusion liquid chromatography analysis
- Detection by multi-angle light scattering (MALS) and refractive index detector (RI)

## Deliverables

- > Chromatographic profile of the polymer
- Main characteristics of the polymer (Mw, rg, dn/dC, lp ...), using standards or MALS data

# Equipment

- > Isocratic HPLC system (Shimadzu) compatible with organic or aqueous solvents
- > MALS detector (Dawn Heleos II Wyatt) with 18 angles
- > Refractometer (Optilab T-rEX Wyatt)





# Some achievements

- > Study of macromolecules in solution (proteins, natural and synthetic polymers)
- > Study of oligomerization and aggregation of proteins
- Monitoring of the synthesis and/or degradation of polymers

### Additional services

- Development of analytical methods by liquid or gas chromatography
- > Custom assay of molecules
- Amino acid quantitative assay

### Contact

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Customised estimate on request

