



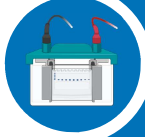
NBE CHARACTERIZATION

Gem ForLab services are aimed to characterize **novel biological compounds** that have not previously been approved for use in humans.

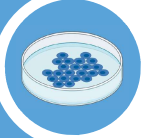
For this purpose, we use **different approaches to reach the best result.**



LC/MS - LC/UV



1D/2D PAGE



IN VITRO ASSAYS



QUALITY CONTROL



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NBE CHARACTERIZATION

LC/MS - LC/UV

- Size Exclusion Chromatography (SEC)
- Cation Exchange Chromatography (CEX) on pH gradient
- Intact and reduced protein analyses
- Intact and reduced deglycosilated protein analyses
- Peptide Mass Fingerprinting (PMF)

1D/2D PAGE

- SDS PAGE of reduced and non-reduced proteins
- 2D PAGE of reduced and non-reduced proteins
- Densitometric analyses
- Western Blotting

IN VITRO ASSAYS

- Cell based assay (e.g. Cytotoxicity)
- Immunometric potency assay
- Genotoxicity Ames test

QUALITY CONTROL

- Host cell proteins
- Host cell DNA
- Lal Test



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