



21st.BIO's pilot plant facility

Price example for a complex project
Complex 1200 liters fermentation – 92,600 EUR

Activities:

- **Advanced tech transfer (desk):** Preliminary process, first time piloting
- **Advanced tech transfer (lab):** 2L confirmatory fermentation runs to mitigate risk in scaling from lab to pilot
- **Media preparation:** Excl. raw materials
- **Bioreactor setup:** Sterilization, media fill, pre-inoculation sequences
- **Seed train in bioreactor:** 30L fermenter, batch process incl. sampling
- **Fermentation, 1200L:** 5-day fermentation, sampling (3/day), dry cell weight measurements
- **Cleaning and inactivation of fermentation tank**
- **Biomass removal:** Filtration, centrifugation
- **Purification,** e.g. filtration or other as required
- **Liquid concentrate filling and packing**
- **Documentation and reporting:** Trial data, flow diagram of process, batch logs as a report

Contact our team
for more information