



CELL CULTURE SERVICES

Biopharm has been a well-known provider of biotechnological services for more than 20 years. Our experienced team ensures highest QA standards and is particularly focused on R&D, protein analytics and cell culture work. We offer our customers comprehensive GLP/ GMP-compliant procedures and efficient tailor-made solutions.

Biopharm's Cell Culture department specializes in bioassays and the development of stable cell lines. A brief overview of our Cell Culture services is presented below.

We look forward to helping you as your flexible and most reliable partner!

Your reliable partner in

- In vitro bioassays
- Immunological assays
- Development and validation of assays in accordance with ICH guidelines
- Release testing, stability studies and comparability studies of drug substances (API) and drug products (e.g. cytokines, monoclonal antibodies)

Cell culture assays

- **In vitro bioassays**

- Cytotoxicity assays
- Proliferation assays
- Differentiation assays
- Apoptosis
- Angiogenesis
- Neutralising antibodies
- Viral based assays (S1 and S2)

- **Assay evaluation**

- Parallel line assays
- Full logistic curve fits
- Antibody titer determinations

- **Immunological assays**

- ELISA for the identification and quantification of a protein in different matrices (e.g. cell culture medium, animal or human sera, GLP studies)
- ELISA to detect and quantify anti-antibodies in human or animal sera
- ELISA to detect neutralizing antibodies in human or animal sera
- ELISA to detect and quantify host cell protein
- Complement activation assays