

Additional Services

performed by:
SYMBIOSIS
THE ANALYTICAL COMPANY

Services

Labor L+S AG through SYMBIOSIS offers an extensive set of analytical methods for a wide range of substances from small molecules to antibodies. We support you through all stages of the development life cycle of your product from discovery to market.

Identity

- Amino acid analysis
- Protein sequencing (N- and C-terminal)
- Peptide Mapping
- Mass spectrometry (MALDI TOF MS)
- Western blot
- Isoelectric focussing (IEF)
- Spectrometry (Fluorescence)

Content

- Protein determination (CBB, BCA)
- ELISA
- Sialic acid determination

Purity

- Capillary gel electrophoresis

Impurity

- ELISA for host cell proteins (HCP)
- qPCR for residual DNA
- Phage determination

Functionality/ Potency

- Bioassay

Safety

- Bioassay
- Immunogenicity

Physicochemical

- Resistance to crushing

Potency Testing – Bioassays

Labor L+S AG through SYMBIOSIS provides a dedicated one-stop-service from bioassay development to GMP batch release, helping to accelerate your testing programs. We can perform virus based assays (biosafety level S1 and S2) according to Gentechnikgesetz (GenTG), Infektionsschutzgesetz (IfSG) as well as Tierseuchenerregerverordnung (TierSeuchErV).

Our bioassay experts can assess a wide range of mode of action including:

- Cytotoxicity
- Proliferation
- Differentiation
- Apoptosis
- Angiogenesis
- Neutralising antibodies

Our capabilities include:

- Development of scientifically sound and cost effective cell banks qualified for your bioassay
- Validation of potency assays according to ICH/ FDA guidelines

- Establish criteria for critical reagents and define specifications of reference materials required for measuring relative potency
- Cell bank storage and stability programs

Safety – Immunogenicity testing

Labor L+S AG through SYMBIOSIS performs immunogenicity testing to detect anti-drug antibodies (ADA/NADA) of recombinant proteins, antibodies or of your product.

Development and validation of immunoassays for the measurement of anti-drug antibodies and neutralising antibodies (ADA/NADA) is one of our core competences.

We offer several approaches to immunogenicity assessments to ensure that the most sensitive, rugged and reliable techniques are employed.

To thoroughly assess the immunogenic potential of your drug we apply a four-step immunogenicity testing strategy:

- Screening
- Confirmatory
- Titer assessment
- Cell-based neutralising antibody detection

L+S is the market leader in pharmaceutical microbiology in Germany.

Our 320 highly-qualified specialists offer service with a personal touch.

We'll take good care of you!

Curious? Find out more!

Contact: Dr. Timo Krebsbach

Labor L+S AG · Mangelsfeld 4 · 97708 Bad Bocklet-Großenbrach · Germany
Phone: +49-(0)97 08/91 00-520 · Fax: +49-(0)97 08/91 00-36
E-Mail: Timo.Krebsbach@Labor-LS.de · Web: www.Labor-LS.de

LSAG
The Thinking Laboratory!