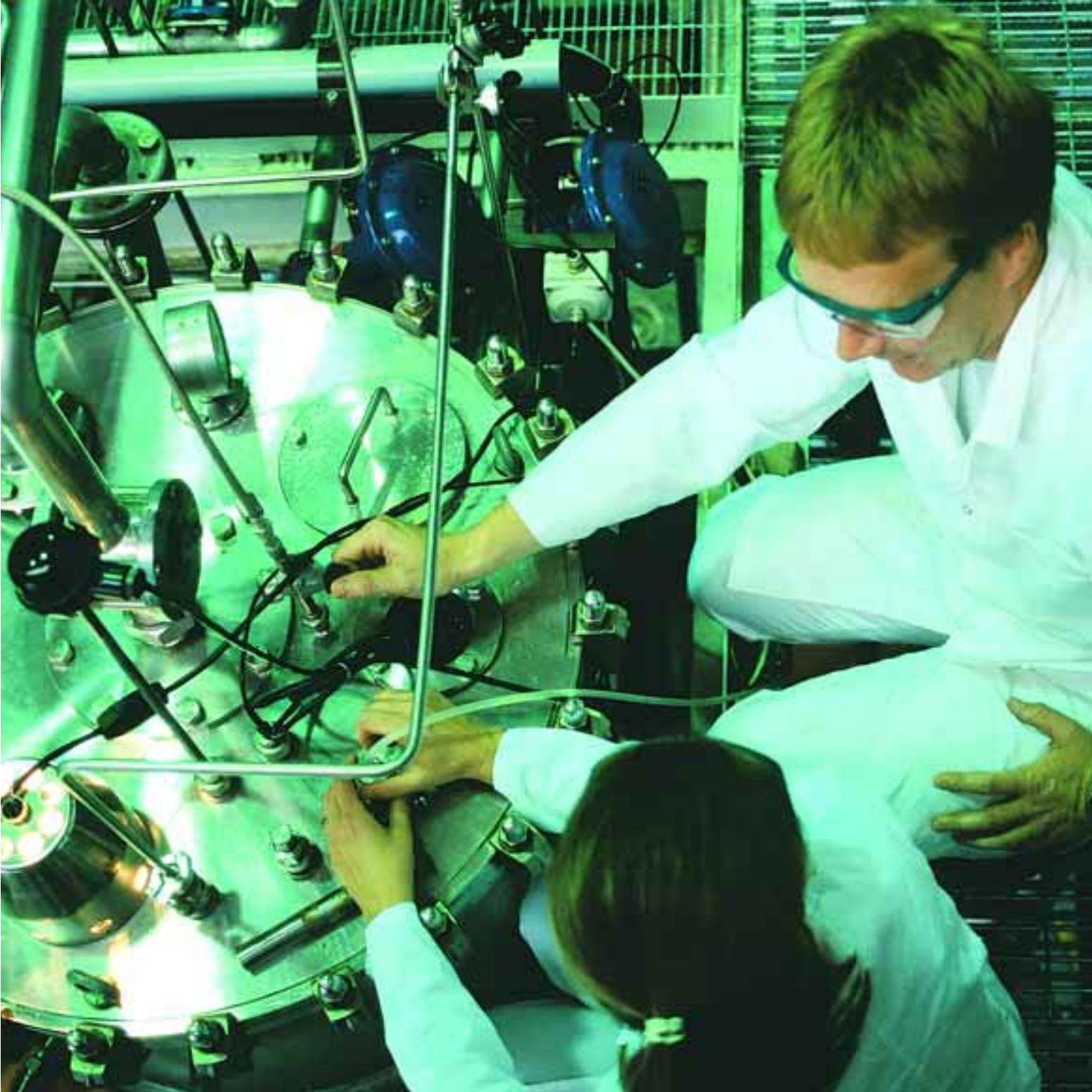




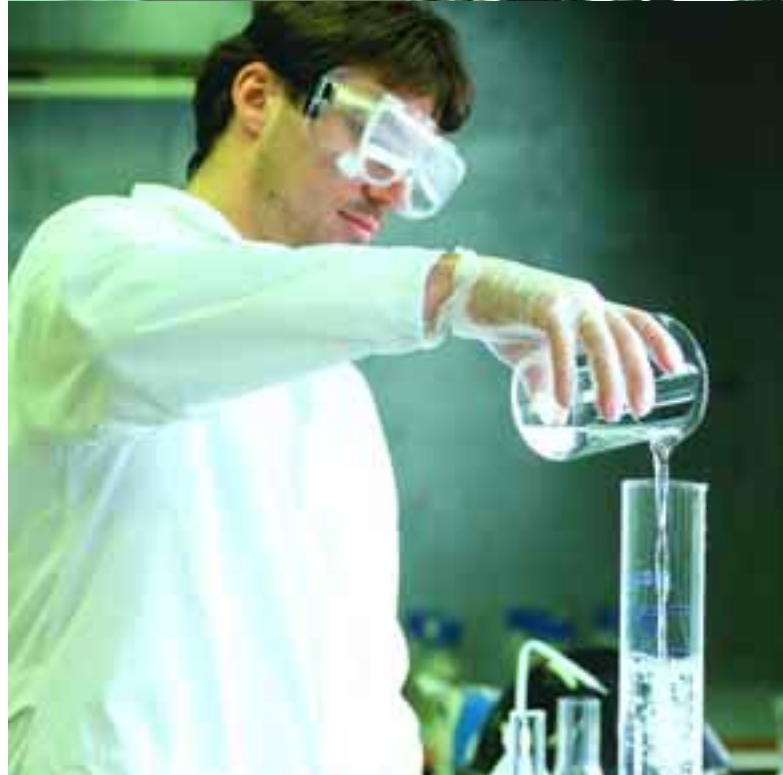
FROM GENE TO PRODUCT



Biosentrum has more than 15 years experience as a contract research (CRO) and a contract manufacturing company (CMO). The plant offer fermentation capacities ranging from small-scale lab-fermenters, pilot productions for nonclinical development to commercial quantities up to 30m³.

We cover all the stages in the development of a manufacturing process. For this purpose a pilot-scale facility exists with upstream and downstream equipment as well as analytical services. This enables Biosentrum to help start-up companies, to bridge the gap going from the laboratory into a successful clinical development of biopharmaceuticals. Biosentrum specialises in recombinant micro-organisms with the main activities on *E.coli* and *Pichia*.

Biosentrum, a meeting place which combines production and regulatory compliance with business and finance. This one stop shop facilitate the start-up of biotechnology companies and speed-up the time to market.





Biosentrum, which was originally built and owned by Statoil, was fully acquired by RF- Rogaland Research and Rogaland Science Park in 2001. The plant has experience in development and production of a wide range of products, such as starter cultures, fine chemicals, recombinant proteins, vaccines and organic acids, biopolymers for secondary oil recovery and biosurfactants for use in bioremediation.

The services will be extended with a state of the art biopharmaceutical production plant, which complies with cGMP.





BIOSENTRUM SERVICES INCLUDE

- **Microbial contract fermentation facility**
- **Process development/Optimisation/Scale up**
- **Cell construction/ Strain development**
- **Assurance of quality and registration compliance**

We offer:

- Cell-line development
- Seed banking development, propagation, storage and related testing of scale up applications
- Fermentation development and design of fermentation strategies
- DSP (Down Stream Processing) development and purification development
- Process development, optimisation and scale-up
- Production Fermentors upto 30 m³
- Analytical methods development and In-process testing

And together with strategic partners:

- Business consulting
- Market contact (with biotech/pharmaceutical companies)
- Investors
- Other CRO's and other CMO's
- Formulation
- Certified analytical services
- Patent applications
- cGMP consulting

Biosentrums speciality is recombinant organisms with its main activity on *E. coli* and *Pichia*.

Contract R&D services according to GLP.



BIOSENTRUM AS
AN EFFICIENT PARTNER IN BIOTECHNOLOGY

Professor Olav Hanssensvei 15, P.O.Box 8046, N-4068 Stavanger, Norway
Tel. +47 51 87 52 62 - Fax. +47 51 87 52 10
E-mail: Bio-info@biosentrum.no - www.biosentrum.no