

Fermentation Our Know - How

Biotransformations (e.g. steroids)

Hydroxylation
Reduction
Oxidation

Secondary metabolites/natural products

Biopharmaceuticals

Cultivation of bacteria, fungi and yeasts

Our technology

Large-scale fermentation and recovery technology

Leading technology for production of steroid key intermediates (phytosterols > AD, ADD)

FDA-approved full GMP production

Scale-up capacities from 5 l to 50 m³

Micronization of APIs

Product groups

High-potency APIs
Hormones
Narcotics
Other APIs
Excipients

GMP facility (FDA approved)

Selected Chemical and Microbiological Reactions

Epoxidation

Halogenation

Bromination
Fluorination
Iodination
Chlorination

Hydrogenation

Hydroxylation

Microbiological Reactions

Microbiological Oxidation
Microbiological Reduction

Organometallic Reactions

Ethinylation
Grignard

Oxidation

Jones
Oppenauer
Swern

Reduction

Birch

Special Reactions

Aromatization
Cyclopropanation
Reaction with Cyanides
Ringold
Vilsmeier