

SINTEF - Your partner for Industrial Biotechnology R&D

Our core competence:

- Strain and process development for the microbial production of bulk and high value products:
 - Biopharmaceuticals, biopolymers, biofuels, fine and platform chemicals
- New bioactive compounds and industrial enzymes from Bioprospecting and Functional Metagenomics
- Molecular evolution and heterologous production of enzymes
- Metabolic Engineering and Synthetic Biology
- Systems Biology and 'omics analyses
- High-end chemical and biochemical analysis
- Techno-economic evaluation of bioprocesses



Our research infrastructure:

- Modern microbiology and molecular biology laboratories (Illumina MiSeq, ddPCR, flow cytometry)
- High throughput screening facility: miniaturized cultivation, robotized colony picking and liquid handling
- Fermentation facility: 42 lab scale fermenters (8x 0.2-1 L, 32x 1-3 L, 2x 14 L), 300 L pilot plant
- Analytical facility: 18 LC-MS and GC-MS instruments, including SQ, QqQ, TOF, Q-TOF, FFF, ICP, FT-ICR, RapidFire-MS

Technology for a better society