






UNLOCK PICHIA® TECHNOLOGY

PICHIA PASTORIS PROTEIN EXPRESSION TOOLBOX

PRODUCTIVITY THROUGH TECHNOLOGY

-  Unique and broad Pichia platform meeting the protein expression challenges and needs of different industries
-  Highly efficient methanol-induced & methanol-free protein expression systems & options for ARMs-free strain development
-  Unparalleled spectrum of expression tools and ingenious expression strategies
-  Intensified processes enabling shorter cultivation time
-  Enhanced secretory efficiency through unique secretion strategies
-  Industry proven and regulatory compliant expression platform
-  Maximized space-time yields and product titers
-  Tailor-made glycoproteins – UNLOCK PICHIA® boosting Pichia GlycoSwitch®

UNLOCK PICHIA® TOOLBOX



EXCLUSIVE AOX1
PROMOTER LIBRARIES



SET OF ADVANCED
PLATFORM STRAINS



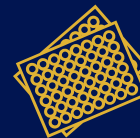
HELPER FACTORS BOOSTING
EXPRESSION



NOVEL SECRETION
SIGNALS



GLYCOPROTEIN
ENGINEERING TOOLS



EXCELLENCE IN
PREDICTIVE SCREENING

VERSATILE TOOLBOX MAXIMIZING PROTEIN PRODUCTION

Productivity through technology



Our 15+ years of experience, and development of sophisticated protein expression tools & strategies, allow us to unlock Pichia's full potential providing enhanced product yields and quality. We fine-tune the expression of your protein by generating a large number of different genetic constellations and pair this with a robust and reliable screening system.

INTENSIFIED PROCESSES CONSIDERING PROCESS SAFETY AND ECONOMY

AS WELL AS REGULATORY REQUIREMENTS

MeOH-free & ARMs-free



VALIDOGEN's toolbox allows for both methanol-induced and methanol-free protein expression at unrivalled expression levels. Our methanol-free expression technology facilitates safe and economically viable protein production in glycerol- or glucose-fed processes without any need for induction. Of particular note to the food & feed industry is our range of auxotrophic strains allowing for antimicrobial resistance marker-free (ARMs-free) selection, aiding regulatory approvals.

COMPREHENSIVELY DOCUMENTED ELEMENTS OF CHARACTERIZED TOOLBOX

SIMPLIFYING REGULATORY PROCEDURES

Industry proven and regulatory compliant



All components of VALIDOGEN's Pichia toolbox are thoroughly characterized and full documentation is readily available to support regulatory filings for your protein candidate. Strains and cultivation protocols developed by VALIDOGEN have been used to produce recombinant protein for industrial applications including in the food & feed industry, as well as GMP products for clinical studies. In each case, meeting the requirements for regulatory filings (US and Europe) for the relevant field of application.