



# TRACK RECORD & COMPANY PROFILE

## **PICHIA PASTORIS PROTEIN EXPRESSION EXCELLENCE**

ADVANCED PICHIA STRAIN AND PROCESS DEVELOPMENT

### **UNLOCK PICHIA® TRACK RECORD**

Pichia protein expression excellence



- Serving customers for more than 15 years
- High-performance strains and processes developed for numerous industries and applications
- Projects with clients ranging from small start-ups to industry giants



- Efficient process transfer & scale-up to industrial scale (up to 100,000 L)
- Phase I & II clinical studies performed with proteins produced using UNLOCK PICHIA®
- Proteins produced by UNLOCK PICHIA® technologies on the market in different industry sectors



- Firm IP position
- Strengthening our technological leadership position
- Continued R&D development generating new expertise and IP



## WORKING WITH VALIDOGEN

### 15+ YEARS OF EXPERIENCE

Pichia strain generation & optimization, plus process development for enhanced protein production

### UNLOCK PICHIA® TOOLBOX

Broad and versatile protein expression technology platform for *Pichia pastoris*

### CUSTOMER-ORIENTED SERVICES

Customized project setup in small, modular packages suitable for every industry

## UNLOCK PICHIA® SERVICE PORTFOLIO

### With manufacturability in mind

- Lean expression feasibility studies evaluating the expressibility of your protein, including delivery of purified lab-scale protein samples
- Generation of high-performance *Pichia pastoris* production strains in competitive time frames
- Development of scalable bioreactor cultivation protocols
- Protein purification process development and optimization

Services are paired with technology transfer for smooth implementation of your protein production process at your facility or at your CMO.

## UNLOCK PICHIA® TECHNOLOGY

### Productivity through technology

- Exclusive Pichia protein expression toolbox
- Unparalleled spectrum of expression tools and ingenious expression strategies
- Highly efficient methanol-induced & methanol-free protein expression systems
- Enhanced secretory efficiency through unique secretion strategies
- Maximized space-time yields and product titers
- Options for ARMs-free strain development
- Tailor-made glycoproteins - UNLOCK PICHIA® boosting Pichia GlycoSwitch®
- Industry proven and regulatory compliant expression platform

## ABOUT US

VALIDOGEN, founded in 2008 as VTU Technology GmbH and renamed VALIDOGEN GmbH in October 2018, is a leading contract research and development organization (CRO) specializing in recombinant protein expression using its exclusive UNLOCK PICHIA® protein expression technology.

With its UNLOCK PICHIA® platform, VALIDOGEN applies a broad and unique portfolio of technologies for successful and economically viable production of recombinant proteins in the yeast *Pichia pastoris* (also known as *Komagataella phaffii*), serving many industries including biopharma, food & feed, industrial biotechnology, and diagnostics.

VALIDOGEN provides advanced Pichia strain generation as well as fermentation and protein purification process development for the manufacture of biopharmaceuticals, enzymes, and other recombinant proteins. Based on our strong Pichia expertise, customers from different industries have successfully scaled up commercial production processes with highly effective Pichia strains for the production of recombinant proteins for pharma and non-pharma applications.

Headquartered in Raaba-Grambach, near Graz, Austria, VALIDOGEN is a private company and subsidiary of KonValue Holding GmbH.