

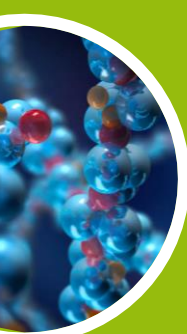
## Pichia GlycoSwitch® System

### Humanized glycosylation in Pichia

Pichia GlycoSwitch® is the **Expression Platform in yeast strains** that enable the production of proteins with controlled, human-like glycosylation



### Technology & Advantages



Many proteins rely on glycosylation for proper folding and functionality. Methods using mammalian cells may result in varied glycoforms, some beneficial and others problematic.

The Pichia GlycoSwitch® System utilizes **engineered *Pichia pastoris* strains** that, through mutations in the *OCH1* gene and the introduction of heterologous enzyme activities, execute specific glycosylation processes accurately and produces glycoproteins resembling those found in humans.

### Enhancing protein production in Pichia GlycoSwitch®

Glycosylation not only influences basic protein function, but also pharmacokinetics, stability, bioavailability, and tissue distribution.



Thanks to the license to use Pichia GlycoSwitch® System, preclinics Italia can offer:

- Vaccine antigens and recombinant antibodies with customized glycosylation and near-homogenous glycoforms
- Expression of recombinant proteins with scales up to 10 liters of culture
- An experienced team in protein engineering

