

Fast track *Pichia pastoris* protein expression services

Case Studies and Track record
for VTU's *Pichia pastoris* toolbox



| Target | Feasibility Study- Small Screening Titer secreted [g/L] | Development- Extended Screening Titer secreted [g/L] |
|----------------|---|--|
| HSAAlbumin | 7.0 | 18.0 |
| HSTransferrin | 6.0 | 11.0 |
| Fab | 1.0 | 3.0 |
| GLP1-Fc (IgG4) | 0.4 | 2.0 |
| G-CSF | 0.1 | 1.5 |
| GM-CSF | 0.3 | 1.0 |
| Interleukin 2 | 0.5 | 2.5 |
| α -AGP | 2.0 | 5.0 |

| HSA Fusion protein | Titer secreted [g/L] |
|---------------------|----------------------|
| HSA-GCSF | 18.0 |
| GCSF-HSA | 20.0 |
| HSA-IFN α 2a | 16.5 |
| HSA-IL2 | 2.0 |
| Scaffold1-HSA | 15.0 |
| Scaffold2-HSA | 10.0 |

| Enzyme | Titer secreted [g/L] |
|-------------------|----------------------|
| CalA | 5.0 |
| CalB | 8.0 |
| Cellobiohydrolase | 15.0 |
| Xylanase | 2.0 |
| HRP | 0.5 |
| CarboxypeptidaseB | 1.5 |