



## *Pichia pastoris* Protein Expression Services - Track Record

Target proteins	Titer secreted [g/L]	HSA-Fusion proteins	Titer secreted [g/L]
Albumins	>20	HSA-IFN $\alpha$ 2a	16
hTransferrin	11	HSA-GCSF	18
Cytokines	up to 5	GCSF-HSA	20
Fabs	up to 3	HSA-GLP-1	14
GLP1-Fc (IgG4)	2	PYY <sub>(3-36)</sub> -HSA-GLP-1	13
Scaffolds	3-8	HSA-Exendin-4	11
dAbs	5-15	PYY <sub>(3-36)</sub> -HSA-Exendin-4	11
Enzymes	5-15	HSA-Chemokine	5
		Scaffold-HSA-Fusions	10-15

<b>Proprietary technologies:</b>	Exclusive AOX1 promoter libraries and set of helper factors for maximization of protein expression
<b>Commercial licenses:</b>	Numerous undisclosed licenses granted to biopharma, food & feed and technical enzymes industry
<b>Technology transfer:</b>	Several processes scaled up to > 10.000 litres
<b>Collaborations:</b>	Several collaborations with international biotech companies and universities leading to technological advances
<b>Outlicensing opportunities:</b>	Expression strains and corresponding production processes for Human Serum Albumin, Human Serum Transferrin, HSA-fusion proteins and cell culture proteins