

Table 1 Kinetics of glucoamylase production in batch cultures

Medium	μ_{\max} (1/h)	$Y_{N/S}$ (g/g)	$Y_{P/N}$ (U/g)	$Y_{P/S}$ (U/g)	P (U/l/h)	P/N^+ (U/g/h)
Selective	0.19 ± 0.002	0.13 ± 0.002	37.2 ± 0.98	0.57 ± 0.07	5.41 ± 1.81	6.95 ± 0.03
Non-selective	0.377 ± 0.001	0.233 ± 0.110	46.1 ± 0.63	7.861 ± 3.05	6.62 ± 2.73	1.51 ± 1.512

Table 2 Kinetics of glucoamylase production in continuous cultures

Dilution rate D (1/h)	$Y_{N/S}$ (g/g)	$Y_{P/S}$ (U/g)	$Y_{P/N}$ (U/g)	P (U/l/h)	P/N^+ (U/g/h)
0.05	0.185 ± 0.065	2.716 ± 0.796	26.859 ± 8.199	3.974 ± 1.109	117.486 ± 29.056
0.10	0.324 ± 0.012	2.497 ± 0.521	7.962 ± 1.648	2.832 ± 1.394	23.067 ± 1.316
0.20	0.265 ± 0.060	2.506 ± 0.236	9.607 ± 0.824	1.789 ± 0.689	35.438 ± 1.766
0.37	0.133 ± 0.002	1.636 ± 0.082	2.176 ± 0.358	1.737 ± 0.756	44.422 ± 3.630