

Table 4. Cellular composition of *S. cerevisiae* as a function of the dilution rate in a glucose-limited culture

Metabolite	Cellular content (% w/w)			
	$D = 0.10 \text{ h}^{-1}$	$D = 0.20 \text{ h}^{-1}$	$D = 0.30 \text{ h}^{-1}$	$D = 0.40 \text{ h}^{-1}$
Protein	45.0	50.0	55.5	60.1
Glycogen	8.4	4.2	0.6	0.0
Trehalose	0.8	0.2	0.0	0.0
Mannan	13.1	12.9	12.0	13.3
Other carbohydrates	18.4	15.4	12.6	3.7
RNA	6.3	8.2	10.1	12.1
DNA	0.4	0.4	0.5	0.6
Free amino acids	1.1	1.3	1.1	2.0
Lipid	2.9	3.0	3.8	3.4
Ash	5.0	5.0	5.0	5.0
Total	101.4	100.6	101.2	100.2