

Table 1. *Protein and phosphorus contents of walls from yeast grown at different rates under various conditions of substrate limitation*

The yeast was grown under the conditions of glucose or NH_4^+ limitation stated and at the rate specified. Details of media composition and cultural conditions are given in the Methods section. Cells were harvested from the chemostat, and isolated walls prepared, fractionated and analysed as described in the Methods section.

Growth-limiting substrate	Growth rate (hr. ⁻¹)	Percentage of total component in wall							
		Fraction ... A		B		C		D	
		Protein	Phosphorus	Protein	Phosphorus	Protein	Phosphorus	Protein	Phosphorus
Glucose (G1)	0.35	15.4	8.8	46.1	49.8	23.1	29.4	15.4	12.0
	0.05	13.6	15.9	41.0	47.7	23.4	31.8	22.0	4.6
Glucose (G2)	0.30	11.7	22.9	42.7	57.1	23.9	20.0	21.7	0.0
	0.05	13.3	22.9	49.3	51.4	22.4	25.7	15.0	0.0
Glucose (G3)	0.35	15.6	16.8	46.9	51.3	22.7	24.1	14.8	7.8
	0.05	9.5	10.0	59.3	53.9	28.9	36.1	2.3	0.0
NH_4^+	0.35	25.2	30.0	21.7	56.0	20.2	10.0	32.9	4.0
	0.05	47.2	27.5	11.1	56.2	25.0	13.5	16.7	2.8