

TABLE 5. Effect of growth temperature on the distribution of RNA and protein in cell fractions^a

Growth temp	Fraction	Component				Protein/RNA
		RNA		Protein		
		Amt ($\mu\text{g}/\text{mg}$, dry wt)	Per cent of total	Amt ($\mu\text{g}/\text{mg}$, dry wt)	Per cent of total	
30	Total	51	100	294	100	
	10,000 \times g ppt	17	34	59	20	3.5
	40,000 \times g ppt	14	28	24	8	1.7
	40,000 \times g supernatant fluid	20	36	211	72	10.5
20	Total	110	100	448	100	—
	10,000 \times g ppt	20	18	54	12	2.7
	40,000 \times g ppt	15	14	27	6	1.8
	40,000 \times g supernatant fluid	75	68	367	82	4.9

^a Cells were grown in a chemostat at a rate of 0.2 hr^{-1} under NH_4^+ limitation. The medium contained 10 g of glucose and 0.24 g of $(\text{NH}_4)_2\text{SO}_4$ per liter. All values quoted are averages of duplicate determinations on at least two different cell crops.