

Table 2
Comparison of compositions of cell extracts and phase fractions

Extract	Fraction	Volume (ml)	Protein (mg)	RNA (mg)
<i>A. Exponential phase cells</i>				
Low-speed extract from cells	Extract	1.05‡	65.2	32.2
	Phase system:†			
	Top phase	1.36	2.3	0.18
	Interphase	<0.05	<2.9	<0.79
	Bottom phase	0.54	67.9	33.2
	Pellet	<0.03	<2.2	<0.8
Low-speed extract from spheroplasts	Extract	1.06‡	73.7	27.5
	Phase system:†			
	Top phase	1.27	2.5	0.19
	Bottom phase	0.56	86.3	36.0
High-speed extract from cells	Extract	1.05‡	42.5	3.18
	Phase system:†			
	Top phase	1.36	2.3	0.05
	Bottom phase	0.42	40.0	3.08
<i>B. Stationary phase cells</i>				
Low-speed extract from spheroplasts	Extract	1.06‡	97.8	14.7
	Phase system:†			
	Top phase	1.31	5.0	0.41
	Bottom phase	0.61	113.9	20.0

† Composition of 2-phase mixture containing the maximal amount of extract tested.

‡ Volume of extract added to the 2-phase system.