

TABLE 1. *Nucleic acid and protein content of S. cerevisiae, and cell volume*

Ploidy	Unlimited growth				Carbon-limited growth			
	DNA (mg/10 ¹¹ cells ± SEM)	RNA (mg/10 ¹¹ cells ± SEM)	Total protein (mg/10 ¹¹ cells ± SEM)	Mean cell volume (μm ³)	DNA (mg/10 ¹¹ cells ± SEM)	RNA (mg/10 ¹¹ cells ± SEM)	Total protein (mg/10 ¹¹ cells ± SEM)	Mean cell volume (μm ³)
Haploid	2.70 ± 0.13	118 ± 3	573 ± 17	66.9 ± 1.8	2.14 ± 0.05	54 ± 3	316 ± 17	43.96 ± 2.44*
Diploid	4.90 ± 0.11	184 ± 18	805 ± 14	105.0 ± 2.4	3.73 ± 0.14	51 ± 2	312 ± 27	41.56 ± 2.53†
Diploid/haploid	1.81	1.56	1.40	1.57	1.74	0.95	0.99	0.95

* XC500B only.

† SCD3-1 only.