

TABLE 2. Growth of *S. cerevisiae* at pH 6.1 on different nitrogen sources

Nitrogen source ^a	Concentration (mM) of nitrogen source	Doubling time (min)				
		Wild type ^b	$\Delta mep1$	$\Delta mep2$	$\Delta mep3^b$	$\Delta vph1$
Glutamate	10	160		160		230
Proline	10	200		200		410
Arginine	2.5	160		170		180
Urea	5	270		270		450
NH ₄ Cl	20	160		175		205
	5	160		290		210
	1	175		>700		215

^a Cells were grown in medium 164 with glucose (3%) as the carbon source and different nitrogen sources at the concentrations indicated. Strains were 23344c (wild type), 31019b ($\Delta mep1 \Delta mep2 \Delta mep3$) (35), and NCM3243 ($\Delta vph1$).

^b Final ODs of strains 23344c and 31019b were 13 and 13 on glutamate, 12 and 13 on proline, 11.5 and 11.5 on arginine, 14 and 13.5 on urea, 16 and 16 on 20 mM NH₄Cl, 10 and 7 on 5 mM NH₄Cl, and 1.3 and 0.4 on 1 mM NH₄Cl.