

Table II. Comparison of enzyme activities and cofactor levels in cells incubated in various media.^a

	LB	LB + glucose	G medium	N-free G medium
Protein conc. (g/L)	1.08	2.05	0.72	0.45
Enzyme activity ^b (U/mg protein)				
KT	3.10	3.04	2.30	2.05
AAR	0.052	0.061	0.060	0.049
CS	1.20	0.32	0.75	0.80
Cofactor levels (nmol/mg protein)				
NAD	1.39	5.05	3.39	2.17
NADH	0.24	0.60	1.22	1.80
NADP	0.64	0.42	0.39	0.40
NADPH	0.05	0.31	0.07	0.16
Cofactor ratio				
NADH/NAD	0.17	0.12	0.36	0.83
NADPH/NADP	0.08	0.74	0.17	0.40

^aCells (40 mg) grown in LB medium for 17 hours at 30°C were transferred into the indicated media and further cultivated for 18 hours before analysis.

^bUnits are: KT, μ mole of acetoacetyl-CoA consumed per min per mL of culture broth; AAR, μ mole of NADPH consumed per min per mL of culture broth; CS, μ mole of CoA produced per min per mL of culture broth.