

Table II. The concentration ranges (mM) of the metabolites that participate in lactic acid pathway.

Currency metabolites	Stephanopoulos et al. (1988)	Pissarra and Nielsen (1997)	Jaklitsch et al. (1986), Muller et al. (1996)	Buchholz et al. (2001)	Lehninger (1975)
ATP	7.9	0.5	0.57–1.74	0.31	1.85
ADP	1.04	0.075	0.23–0.84	0.40	0.138
P _i	7.9	0.5	—	—	1.0
NAD ⁺	4	1.31	0.65–1.2	3.55	—
NADH	0.2	0.05	0.038–0.145	—	—
Reductive energy charge	0.048	0.037	0.05–0.13	—	—

Metabolites	Peng et al. (2004)	Peng et al. (2004)	Sauter and Gilles (2004)	Buchholz et al. (2001)	Lehninger (1975)	Jovanovic et al. (2006)
Glc	—	—	—	—	5	—
G6P	0.68	1.21	0.17	0.22	0.083	—
F6P	0.29	0.48	0.04	0.25	0.014	—
FBP	1.01	3.1	—	3.29	0.031	—
DHAP	—	—	—	—	0.138	—
GAP	—	—	—	—	0.0185	—
BPG	—	—	—	—	—	0.06–0.25
3PG	—	—	—	—	0.118	—
2PG	—	—	—	—	0.0295	—
PEP	0.07	0.2	0.6	—	0.023	—
Pyr	—	—	0.4	—	0.051	—
Lac	—	—	—	—	—	—