

Table 3. V_{\max} values measured under the optimized and the *in vivo*-like conditions in the absence of the phosphatase inhibitors. Errors represent standard errors of the mean of at least three independent cell-free extracts from steady-state samples from a single chemostat culture.

Enzyme	Optimized V_{\max} (mmol min ⁻¹ ·g protein ⁻¹)	<i>In vivo</i> -like V_{\max} (mmol·min ⁻¹ ·g protein ⁻¹)
HXK	1.8 ± 0.1	0.80 ± 0.06
PGI reverse	4.0 ± 0.0	2.0 ± 0.1
PFK	0.69 ± 0.10	0.25 ± 0.00 (0.80 ± 0.10 ^a)
ALD	0.76 ± 0.16	1.2 ± 0.1
TPI	97 ± 5	26 ± 0
GAPDH reverse	6.5 ± 0.2	3.2 ± 0.1
PGK reverse	10 ± 1	9.4 ± 0.3
ENO	0.99 ± 0.04	0.96 ± 0.06
PYK	3.6 ± 0.5	3.1 ± 0.1
PDC	0.65 ± 0.12	1.5 ± 0.1
ADH reverse	10 ± 0	3.5 ± 0.1

^a V_{\max} measured with saturated Fru6P concentration for PFK (see text).