

Table S2. Assay mix composition.

Component	Assay concentration	Source
EPPS buffer pH 8.0	100 mM	Alfa Aesar (Cat # J61296)
MgCl ₂	20 mM	Sigma Aldrich (Cat # M2670-500G)
Dithiothreitol	0.5 mM	Bio Basic Canada inc. (Cat # DB0058)
ATP	2 mM	Sigma Aldrich (Cat # A3377-5G)
Phosphocreatine	10 mM	Sigma Aldrich (Cat # 27920-5G)
NADH	1.7 mM	Merck (Cat # 481913-1GM)
Carbonic anhydrase	0.1 mg/mL	Sigma Aldrich (Cat # C3934-100MG)
Creatine phosphokinase	20 U/mL	Sigma Aldrich (Cat # C3755-35KU)
Glyceraldehyde 3-phosphate dehydrogenase	20 U/mL	Sigma Aldrich (Cat # G2267-10KU)
3-Phosphoglyceric phosphokinase	20 U/mL	Sigma Aldrich (Cat # P7634-5KU)