

TABLE I
Effects of Adenylates on NAD-ME Activity

Metabolite (2 mM)	Activity ^a (% control)			
	<i>A. spongiosa</i>		<i>U. panicoides</i>	
	Substrate/activator concentration:			
	Limiting	Saturating	Limiting	Saturating
ATP	28	100	168	105
ADP	43	98	74	80
AMP	50	95	61	83
UTP	75	100	135	100
Glucose-6 phosphate	100	95	107	100
Ribose-5 phosphate	96	100	94	100

^a Assay conditions for the *A. spongiosa* enzyme were: 1 mM malate, 10 μ M CoA, and 2 mM NAD for limiting substrate conditions and 5 mM malate, 100 μ M CoA, and 2 mM NAD for assays with saturating substrates. For the *U. panicoides* enzyme, 5 mM malate, 5 μ M CoA, and 2 mM NAD were used for limiting substrate conditions with CoA increased to 100 μ M for saturating substrate conditions. Manganese was present at a total concentration of 4 mM in both assays. Activities are presented as percentages of the rate obtained in the presence of the indicated substrate and activator concentrations, in the absence of added metabolites.