TABLE I

Almitrine effects on oxidative phosphorylation supported by different substrates

Experimental conditions were as in Fig. 2.

Respiratory substrates and additions	Respiratory rate (natom O per min per mg protein)		ATP synthesis rate (nmol ATP per min per mg protein)	ATP/O	Respiratory control
	state 3	uncoupled			
Succinate (5 mM)	471 ± 29	493 ± 19	730 ± 72	1.55 ± 0.12	2.3 ± 0.3
+ almitrine (22.4 μM)	429 ± 36	472 ± 34	403 ± 56	0.94 ± 0.07	2.3 ± 0.4
NADH (5 mM)	756 ± 88	873 ± 102	953 ± 101	1.26 ± 0.06	3.4 ± 0.6
+ almitrine (22.4 μM)	459 ± 39	918 ± 93	325 ± 38	0.71 ± 0.08	2.3 ± 0.2
Glycerol-3-phosphate (5 mM)	482 ± 62	506 ± 39	636 ± 84	1.32 ± 0.1	3.2 ± 0.3
+ almitrine (22.4 μM)	490 ± 53	493 ± 47	475 ± 39	0.97 ± 0.1	4.0 ± 0.5
2-oxoglutarate (5 mM)	183 ± 24	208 ± 31	441 ± 46	2.4 ± 0.2	3.3 ± 0.7
+ almitrine (22.4 μM)	164 ± 27	216 ± 36	400 ± 38	2.4 ± 0.3	2.7 ± 0.5