

Table 4. *Contents of adenine nucleotides in liver tissue*  
 Results are mean values from 3--7 experiments;  $\pm$  standard errors of the means

Expt	Conditions	n	Overall tissue contents					Mitochondrial content
			ATP	ADP	AMP	ATP + ADP + AMP	ATP/ADP	ATP + ADP + AMP
			$\mu\text{mol/g fry wt}$					% of tissue content
F	fed; -	7	11.7 $\pm$ 0.7	2.9 $\pm$ 0.1	1.0 $\pm$ 0.1	15.1 $\pm$ 1.4	4.0 $\pm$ 0.1	20 $\pm$ 1
F-S	fed; glucose etc	6	9.6 $\pm$ 1.0	3.5 $\pm$ 0.2	1.4 $\pm$ 0.2	14.6 $\pm$ 1.2	2.7 $\pm$ 0.4	22 $\pm$ 2
F-E	fed; ethanol	5	7.8 $\pm$ 0.6	3.4 $\pm$ 0.2	1.5 $\pm$ 0.2	12.8 $\pm$ 0.5	2.3 $\pm$ 0.2	23 $\pm$ 1
F-Am	fed; amytal	4	9.8 $\pm$ 1.0	3.4 $\pm$ 0.3	1.2 $\pm$ 0.1	14.5 $\pm$ 1.0	2.9 $\pm$ 0.2	24 $\pm$ 1
F-Dnp	fed; dinitrophenol	4	8.6 $\pm$ 1.0	3.9 $\pm$ 0.2	1.7 $\pm$ 0.2	14.2 $\pm$ 1.0	2.2 $\pm$ 0.3	26 $\pm$ 3
F-Catr	fed; carboxyatractyloside	4	9.8 $\pm$ 0.7	3.0 $\pm$ 0.2	2.1 $\pm$ 0.3	14.9 $\pm$ 0.7	3.3 $\pm$ 0.4	27 $\pm$ 2
H	starved; -	5	6.9 $\pm$ 0.3	4.0 $\pm$ 0.3	1.5 $\pm$ 0.1	12.4 $\pm$ 0.5	1.7 $\pm$ 0.1	27 $\pm$ 2
H-L	starved; lactate	4	6.2 $\pm$ 0.6	4.0 $\pm$ 0.2	1.9 $\pm$ 0.4	12.1 $\pm$ 1.0	1.5 $\pm$ 0.6	27 $\pm$ 2
H-D	starved; dihydroxyacetone	3	6.6	4.1	1.5	12.2	1.6	22
H-G	starved; glucose	3	8.5	3.1	1.0	12.6	2.7	27