

Table 2. Concentrations of metabolites in freeze-clamped livers of rats under different dietary conditions

Values are given in  $\mu\text{mol/g}$  wet wt.,  $\pm\text{s.e.m.}$ ; six observations were made for each group. The significance of the difference between the starved and other groups as judged by Student's *t* test is indicated by \* $P < 0.05$  to  $P < 0.02$  and \*\* $P < 0.01$  to  $P < 0.001$ . For the details of feeding each group see the Experimental section.

	Starved	Fed <i>ad libitum</i>	Meal-fed	Sucrose re-fed
ATP	2.49 $\pm$ 0.12	2.56 $\pm$ 0.09	2.32 $\pm$ 0.07	2.26 $\pm$ 0.11
ADP	1.38 $\pm$ 0.08	1.06 $\pm$ 0.03**	1.24 $\pm$ 0.04	1.17 $\pm$ 0.04*
AMP	0.343 $\pm$ 0.024	0.313 $\pm$ 0.022	0.384 $\pm$ 0.028	0.239 $\pm$ 0.016**
P <sub>i</sub>	4.73 $\pm$ 0.16	3.64 $\pm$ 0.32	4.41 $\pm$ 0.10	4.07 $\pm$ 0.23
UDP-glucose	0.342 $\pm$ 0.024	0.433 $\pm$ 0.023*	0.347 $\pm$ 0.027	0.671 $\pm$ 0.046**
UTP	0.362 $\pm$ 0.014	0.494 $\pm$ 0.038**	0.443 $\pm$ 0.039	0.648 $\pm$ 0.074**
Glucose 6-phosphate	0.078 $\pm$ 0.011	0.147 $\pm$ 0.012*	0.157 $\pm$ 0.007**	0.205 $\pm$ 0.013**
Glucose 1-phosphate	0.0075 $\pm$ 0.0010	0.0115 $\pm$ 0.008**	0.0132 $\pm$ 0.0007**	0.0190 $\pm$ 0.001**
Glucose 6-phosphate	10.9 $\pm$ 1.4	12.9 $\pm$ 1.0	12.0 $\pm$ 0.2	10.6 $\pm$ 0.3
Glucose 1-phosphate				