

TABLE 1. *Contribution of the major oxygen-consuming organs of the body to body mass and standard metabolic rate*

Organ	Body Mass, %		Body Oxygen Use, %	
	Human	Rat	Human	Rat
Liver	2	5	17	20
Gastrointestinal tract	2	5	10	5
Kidney	0.5	0.9	6	7
Lung	0.9	0.6	4	1
Heart	0.4	0.5	11	3
Brain	2	1.5	20	3
Skeletal muscle	42	42	20	30
Total	49.8	55.5	88	69

Organ masses and oxygen consumption rates are mean values from data on humans (1, 3, 72, 116, 135, 183) and rats (10, 71, 116, 117, 173, 181, 199). All data are for adult individuals except for data of Field et al. (71), which are for 150-g animals. Data for oxygen consumption rates are taken from in vivo tissue respiration measurements except some data for rat skeletal muscle which are from tissue slices (71) and perfused hindlimb preparations (10, 181, 199). Data for skeletal muscle tissue slice respiration are corrected for any observed decline in slice respiration rate with time (71).

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