

Supporting Table S2. Organ weights, kcal, and ascorbic acid content of a medium-sized horse (~210 kg)^a

	Body%	g	Energy kcal/g	Total kcal	Vit C mg/g	Vit C in organ mg	Reference for Vit C	Reference for %organ wt	Reference for Energy
<i>Viscera</i>									
Adrenal	0.0154	32.2	0.680	22	0.3920	12.6	Rodahl (1949) ^b	Crile and Quiring (1940) ^c	Estimated as testes
Bile	0.0398	83.6	0.045	4	0.0100	0.8	Rodahl (1949) ^b	Kirton <i>et al.</i> (1972) ^d	Derived from Barrett (2012) ^e
Blood	3.4052	7150.9	0.700	5006	0.0007	5.0	Richmond <i>et al.</i> (1940) ^f	Awuk and Tamir (2007) ^f	Nollet and Toldrá (2011) ^f
Brain	0.2252	472.9	1.234	584	0.1280	60.5	Rodahl (1949) ^b	Crile and Quiring (1940) ^c	Guil-Guerrero (2017) ^g
Digestive tract	5.8649	12,316.2	0.960	11,824	0.0045	55.4	Fediuk <i>et al.</i> (2002) ^g	Crile and Quiring (1940) ^c	Kuhnlein and Soueida (1992) ^h
Epididymis	0.1098	230.5	0.680	157	0.0420	9.7	Rodahl (1949) ^b	Bercovitch and Rodriguez (1993) ⁱ	Estimated as testes
Eyes	0.0393	82.6	3.260	269	0.0070	0.6	Rodahl (1949) ^b	Crile and Quiring (1940) ^d	USDA, FDC ID: 169801 ^h
Heart	0.4769	1001.5	1.120	1122	0.0260	26.0	Fediuk <i>et al.</i> (2002) ^h	Crile and Quiring (1940) ^c	Kuhnlein and Soueida (1992) ^h ; Kuhnlein <i>et al.</i> (2002) ^h
Kidney	0.4080	856.7	0.917	785	0.0888	76.1	Fediuk <i>et al.</i> (2002) ^h	Crile and Quiring (1940) ^c	Guil-Guerrero (2017) ^g
Liver	1.0157	2133.0	1.240	2645	0.1782	380.1	Fediuk <i>et al.</i> (2002) ^h ; Hassan <i>et al.</i> (2012) ^h	Crile and Quiring (1940) ^c	Kuhnlein <i>et al.</i> (2002) ^h
Lung	1.5708	3298.7	1.090	3596	0.0810	267.2	Rodahl (1949) ^b	Crile and Quiring (1940) ^c	Kuhnlein and Soueida (1992) ^h
Pancreas	0.1405	295.1	2.350	693	0.0390	11.5	Rodahl (1949) ^b	Sebsibe <i>et al.</i> (2007) ^f	USDA, FDC ID: 169452 ^j
Spleen	0.4071	854.9	0.901	770	0.0600	51.3	Rodahl (1949) ^b	Crile and Quiring (1940) ^c	Guil-Guerrero (2017) ^g
Testes	0.5160	1083.7	0.680	737	0.1820	197.2	Rodahl (1949) ^b	Kirton <i>et al.</i> (1972) ^d	USDA, FDC ID: 172619 ^d
Tongue	0.1891	397.1	2.290	1032	0.0100	4.0	Rodahl (1949) ^b	Kirton <i>et al.</i> (1972) ^d	USDA, FDC ID: 168985 ^h
Thyroid	0.0196	37.2	0.680	25	0.0380	1.4	Rodahl (1949) ^b	Kirton <i>et al.</i> (1972) ^d	Estimated as testes
<i>Total viscera</i>	14.4432	30,326.8	-	29,270	-	1159.5	-	-	-
Bones	14.2750	29,977.5	-	-	-	-	-	Adamczewski <i>et al.</i> (1997) ^b	-
Bone marrow	2.5000	4500.0	4.837	21,767	0.0000	0.0000	Hassan <i>et al.</i> (2012) ^h	Nieminen and Laitinen (1986) ^h	Guil-Guerrero (2017) ^g
Dissectible fat	17.7099	37,190.8	6.828	253,939	0.0000	0.0000	Geraci and Smith (1979) ^h ; Hassan <i>et al.</i> (2012) ^h	Adamczewski <i>et al.</i> (1997) ^b	Guil-Guerrero (2017) ^c
<i>Total fat</i>	20.2099	41,690.8	-	275,706	0.0000	0.0000	-	-	-
<i>Muscles</i>	41.9084	88,007.6	0.919	80,879	0.0050	440.0	Lee <i>et al.</i> (2007) ^c ; USDA, FDC ID: 175086 ^c	Crile and Quiring (1940) ^b	Guil-Guerrero (2017) ^c
<i>Skin</i>	9.0043	18,909.1	5.440	102,865	0.0050	94.5	USDA, FDC ID: 2341308 ^k	Awuk and Tamir (2007) ^f	USDA, FDC ID: 2341308 ^k
<i>Rest</i> ^l	3.6675	7701.7	1.0000	7702	0.0010	7.7	Estimated	Estimated	Estimated

^a Body live weight from Chabai *et al.* (2006); ^b Muskox sample; ^c Horse sample; ^d Sheep sample; ^e Based on 0.51% fats in bile; ^f Goat sample; ^g Mean for several food animals; ^h *Rangifer* sample; ⁱ Macaco sample; ^j Beef sample; ^k Pork skin rinds; ^l Tendon, blood vessels, etc.

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