

Supporting Table S3. Organ weights, kcal and ascorbic acid content of a medium-sized reed deer (325 kg)^a

	Body%	g	Energy kcal/g	Total kcal	Vit C mg/g	Vit C in organs mg	Reference for Vit C	Reference for %organ wt	Reference for Energy
<i>Viscera</i>									
Adrenal	0.0073	23.3	0.680	16	0.3920	9.1	Rodahl (1949) ^b	Crile and Quiring (1940) ^c	Estimated as testes
Bile	0.0398	127.4	0.045	6	0.0100	1.3	Rodahl (1949) ^b	Kirton <i>et al.</i> (1972) ^d	Derived from Barrett (2012) ^e
Blood	3.4052	10,896.6	0.700	7628	0.0007	7.6	Richmond <i>et al.</i> (1940) ^f	Awuk and Tamir (2007) ^f	Nollet and Toldrá (2011) ^f
Brain	0.2476	792.3	1.234	978	0.1280	101.4	Rodahl (1949) ^b	Crile and Quiring (1940) ^c	Guil-Guerrero (2017) ^g
Digestive tract	5.3000	16,960.0	0.960	16,282	0.0045	76.3	Rodahl (1949) ^b	Crile and Quiring (1940) ^f	Kuhnlein and Soueida (1992) ^h
Epididymis	0.1098	351.3	0.680	239	0.0420	14.8	Rodahl (1949) ^b	Bercovitch and Rodriguez (1993) ⁱ	Estimated as testes
Eyes	0.0393	125.9	3.260	410	0.0070	0.9	Rodahl (1949) ^b	Crile and Quiring (1940) ^c	USDA, FDC ID: 169801 ^h
Heart	0.8468	2709.8	1.120	3035	0.0260	70.5	Fediuk (2002) ^h	Crile and Quiring (1940) ^c	Kuhnlein and Soueida (1992) ^h ; Kuhnlein <i>et al.</i> (2002) ^h
Kidney	0.2793	893.6	0.917	819	0.0888	79.4	Fediuk <i>et al.</i> (2002) ^h	Crile and Quiring (1940) ^c	Guil-Guerrero (2017) ^g
Liver	1.9559	6258.9	1.240	7761	0.1782	1115.3	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	1.9510	6243.2	1.090	6805	0.0810	505.7	Rodahl (1949) ^b	Crile and Quiring (1940) ^c	Kuhnlein and Soueida (1992) ^h
Pancreas	0.1405	449.6	2.350	1057	0.0390	17.5	Rodahl (1949) ^b	Sebsibe <i>et al.</i> (2007) ^f	USDA, FDC ID: 169452 ^j
Spleen	0.0175	56.0	0.901	50	0.0600	3.4	Rodahl (1949) ^b	Crile and Quiring (1940) ^c	Guil-Guerrero (2017) ^g
Testes	0.5160	1651.3	0.680	1123	0.1820	300.5	Rodahl (1949) ^b	Kirton <i>et al.</i> (1972) ^d	USDA, FDC ID: 172619 ^d
Tongue	0.1891	605.1	2.600	1573	0.0100	6.1	Rodahl (1949) ^b	Kirton <i>et al.</i> (1972) ^d	USDA, FDC ID: 168985 ^h
Thyroid	0.0175	56.0	0.680	38	0.0380	2.1	Rodahl (1949) ^b	Crile and Quiring (1940) ^c	Estimated as testes
<i>Total viscera</i>	15.0626	48,200.2	-	47,819	-	2311.9	-	-	-
Bones	14.2750	45,680.0	-	-	-	-	-	Adamczewski <i>et al.</i> (1997) ^b	-
Bone marrow	2.5000	8000.0	4.837	38,696	0.0000	0.0000	Hassan <i>et al.</i> (2012) ^h	Nieminen and Laitinen (1986) ^h	Guil-Guerrero (2017) ^g
Dissectible fat	17.7099	56,671.8	7.262	411,550	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	64,671.8	-	450,246	-	0.0000	-	-	-
<i>Muscles</i>	41.9084	134,106.9	1.018	136,521	0.0000	0.0000	Lee <i>et al.</i> (2007) ^c ; USDA, FDC ID: 173855 ^c	Adamczewski <i>et al.</i> (1997) ^b	Guil-Guerrero (2017) ^c
<i>Skin</i>	9.0043	28,813.8	5.44	156,747	0.0050	144.1	USDA, FDC ID: 2341308 ^k	Awuk and Tamir (2007) ^f	USDA, FDC ID: 2341308 ^k
<i>Rest</i> ^l	3.6675	11,735.9	1.0000	11,736	0.0010	11.7	Estimated	Estimated	Estimated

^a Nowak and Walker (1999); ^b Muskox sample; ^c Red deer 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 samples; ^j Beef sample; ^k Pork skin rinds; ^l Tendon, blood vessels, etc.

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