

Table B1. Total cell number of organs or cell types.

Organ/system	Cell type	Mean total cell number	SD	References
Adipose tissue	Adipocytes	5.00×10^{10}	2.30×10^{10}	Spalding et al. (2008) [*]
Articular cartilages	Femoral cartilage cells	1.49×10^8	0.46×10^8	Baysal et al. (2004); Stockwell (1971) [†]
	Humeral head cartilage cells	1.23×10^8	0.35×10^8	Stockwell (1971); Vanwanseele et al. (2004) [†]
	Talus cartilage cells	8.06×10^7	1.56×10^7	Stockwell (1971); Millington et al. (2007) [†]
Biliary system	Biliary ducts epithelial cells	7.03×10^7	5.30×10^7	Bergman et al. (2004); Borley (2005a); Castelain et al. (1993); Khalil et al. (2005); Wolf and Scarbrough (2012) [†]
	Gallbladder epithelial cells	1.61×10^8	0.23×10^8	Bergman et al. (2004); Borley (2005a); Irving (2007); Wolf and Scarbrough (2012) [†]
	Gallbladder Interstitial Cajal-like cells	4.94×10^5	0.05×10^5	Hinescu et al. (2007); Irving (2007) [†]
	Gallbladder smooth myocytes	1.58×10^9	0.40×10^9	Irving (2007); Portincasa et al. (2004) [†]
Blood	Gallbladder other stromal cells	8.48×10^6	0.09×10^6	Hinescu et al. (2007) [†]
	Erythrocytes	2.63×10^{13}	0.51×10^{13}	Alberts et al. (2002); Loe and Edwards (2004); Young and Heath (2001) [*]
	Leucocytes	5.17×10^{10}	2.43×10^{10}	Alberts et al. (2002); Young and Heath (2001); Stock and Hoffman (2000) [*]
	Platelets	1.45×10^{12}	0.57×10^{12}	Alberts et al. (2002); Young and Heath (2001) [*]
Bone	Cortical osteocytes	1.10×10^9	0.24×10^9	Malluche and Faugere (1986); Seale (1959); Tassani et al. (2011); Trotter (1954); Torres-Lagares et al. (2010) [†]
	Trabecular osteocytes	7.11×10^8	3.72×10^8	Malluche and Faugere (1986); Seale (1959); Tassani et al. (2011); Trotter (1954); Torres-Lagares et al. (2010) [†]
Bone marrow	Nucleate cells	7.53×10^{11}	2.18×10^{11}	Harrison (1962) [†]
Heart	Connective tissue cells	4.00×10^9	NA	Adler and Costabel (1975) [*]
	Heart muscle cells	2.00×10^9	NA	Adler and Costabel (1975) [*]
Kidney	Glomerulus total cells	1.03×10^{10}	0.36×10^{10}	Steffes et al. (2001) [*]
Liver	Hepatocytes	2.41×10^{11}	NA	Borley (2005b); Irving (2007); Prothero (1982) [†]
	Kupffer cells	9.63×10^{10}	NA	Dong et al. (2007) [†]
	Stellate cells	2.41×10^{10}	NA	Geerts (2001) [†]
Lungs, bronchi, bronchioles	Alveolar cells (type I)	3.86×10^{10}	0.95×10^{10}	Crapo et al. (1982); Stone et al. (1992) [*]
	Alveolar cells (type II)	6.99×10^{10}	1.45×10^{10}	Crapo et al. (1982); Stone et al. (1992) [*]
	Alveolar macrophages	2.90×10^{10}	0.73×10^{10}	Crapo et al. (1982); Stone et al. (1992) [*]
	Basal cells	4.32×10^9	0.95×10^9	Mercer et al. (1994) [*]
	Ciliated cells	7.68×10^9	1.62×10^9	Mercer et al. (1994) [*]
	Endothelial cells	1.41×10^{11}	0.30×10^{11}	Crapo et al. (1982); Stone et al. (1992) [*]
	Goblet cells	1.74×10^9	0.51×10^9	Mercer et al. (1994) [*]
	Indeterminate	3.30×10^9	1.00×10^9	Mercer et al. (1994) [*]
	bronchial/bronchiolar cells			
	Interstitial cells	1.37×10^{11}	0.16×10^{11}	Crapo et al. (1982); Stone et al. (1992) [*]
Other bronchial/bronchiolar secretory cells	4.49×10^8	1.97×10^8	Mercer et al. (1994) [*]	
Nervous system	Preciliated cells	1.03×10^9	0.34×10^9	Mercer et al. (1994) [*]
	Glial cells	3.00×10^{12}	0.66×10^{12}	Kandel et al. (2000); Standing et al. (2005) [†]
	Neurons	1.00×10^{11}	NA	Purves et al. (2001); Williams and Herrup (1988) [*]
Pancreas	Islet cells	2.95×10^9	0.78×10^9	Meier et al. (2008); Pisanía et al. (2010) [†]
Skeletal muscle	Muscle fibers	2.50×10^8	NA	Howell and Fulton (1949) [*]
	Satellite cells	1.50×10^{10}	0.17×10^{10}	Morgan and Partridge (2003) [*]
Skin	Dermal fibroblasts	1.85×10^{12}	0.26×10^{12}	Irving (2007); Randolph and Simon (1998) [†]

	Dermal mast cells	4.81×10^7	2.82×10^7	Grimbaldeston et al. (2000); Irving (2007) [†]
	Epidermal corneocytes	3.29×10^{10}	0.47×10^{10}	Hoath and Leahy (2003); Irving (2007) [†]
	Epidermal nucleate cells	1.37×10^{11}	0.39×10^{11}	Hoath and Leahy (2003); Irving (2007) [†]
	Epidermal Langerhans cells	2.58×10^9	0.65×10^9	Hoath and Leahy (2003); Irving (2007) [†]
	Epidermal melanocytes	3.80×10^9	NA	Hoath and Leahy (2003); Irving (2007) [†]
	Epidermal Merkel cells	3.62×10^9	NA	Boulais and Misery (2007) [†]
Small intestine	Enterocytes	1.67×10^{10}	0.71×10^{10}	Borley (2005c); Cattaneo and Baratta (1989); Teodori (1987); Weiss and Greep (1981) [†]
Stomach	G-cells	1.04×10^7	0.30×10^7	Royston et al. (1978) [*]
	Parietal cells	1.09×10^9	0.08×10^9	Cox (1952); Naik et al. (1971) [*]
Suprarenal gland	Medullary cells	1.18×10^9	0.18×10^9	Bocian-Sobkowska et al. (1997); Geraghty et al. (2004); Martini (1994) [†]
	<i>Zona fasciculata</i> cells	6.67×10^9	1.02×10^9	Bocian-Sobkowska et al. (1997); Geraghty et al. (2004); Martini (1994) [†]
	<i>Zona glomerularis</i> cells	1.77×10^9	0.27×10^9	Bocian-Sobkowska et al. (1997); Geraghty et al. (2004); Martini (1994) [†]
	<i>Zona reticularis</i> cells	7.02×10^9	0.11×10^9	Bocian-Sobkowska et al. (1997); Geraghty et al. (2004); Hui et al. (2009); Martini (1994) [†]
Thyroid	Clear cells	8.70×10^5	NA	Gibson et al. (1982) [*]
Vessels	Follicular cells	1.00×10^{10}	NA	Gibson et al. (1982) [*]
	Endothelial cells	2.54×10^{12}	1.05×10^{12}	Félétou (2011); Ganong (2006); Germann and Stanfield (2006); Guyton and Hall (2002); Johnson et al. (2005); Loe and Edwards (2004); Mountcastle (1980); Rhoades and Planzer (2004); Testut and Latarjet (1959) [†]

Bibliographical method is highlighted with *, while an integration of methods with †.