

Section 4.2

Berridge MJ (2012). Cell Signalling Biology. Module 3 Ion Channels.
www.cellsignallingbiology.org

Brown D, Paunescu TG, Breton S, Marshansky V (2009). Regulation of the V-ATPase in kidney epithelial cells: dual role in acid base homeostasis and vesicle trafficking. *Journal of Experimental Biology* 212: 1762-1772.

Frömter E, Diamond J (1972). Route of passive ion permeation in epithelia. *Nature New Biology* 235: 9-13.

Gadsby DC, Vergani P, Csanády L (2006). The ABC protein turned chloride channel whose failure causes cystic fibrosis. *Nature* 440: 477-483.

Kingdon J, Agwanda B, Kinnaird M, O'Brien T, Holland C, Gheysens T, Boulet-Audet M, Vollrath F (2012). A poisonous surprise under the coat of the African crested rat. *Proceedings of the Royal Society of London: Biological Sciences* 279: 675-680.

Talbot K, Kwong RWM, Gilmour KM, Perry SF (2015). The water channel aquaporin-1a1 facilitates movement of CO₂ and ammonia in zebrafish (*Danio rerio*) larvae. *Journal of Experimental Biology* 218: 3931-3940.

Tang C-H, Hwang L-Y, Shen I-D, Chiu Y-H, Lee T-H (2011). Immunolocalization of chloride transporters to gill epithelia of euryhaline teleosts with opposite salinity-induced Na⁺/K⁺-ATPase responses. *Fish Physiology and Biochemistry* 37: 709–724.

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Burg MB (2002). Responses of renal inner medullary epithelial cells to osmotic stress. *Comparative Biochemistry and Physiology Part A* 133: 661-666.

Gullans SR, Blumenfeld JD, Balschi JA, Kaleta M, Brenner RM, Heilig CW, Herbert SC (1988). Accumulation of major organic osmolytes in rat renal medulla in dehydration. *American Journal of Physiology – Renal Physiology* 255: F626-634.

Jensen FB, Lecklin T, Busk M, Bury NR, Wilson RW, Wood CM, Grosell M (2002). Physiological impact of salinity increase at organism and red blood cell levels in the European flounder (*Platichthys flesus*). *Journal of Experimental Marine Biology and Ecology* 274: 159-174.

Pierce SK, Greenberg MJ (1972). The nature of cellular volume regulation in marine bivalves. *Journal of Experimental Biology* 57: 681-692.