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Intracellular pH measurements in Ehrlich ascites tumor cells utilizing spectroscopic probes generated in situ

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2033	Fluorescence polarization with FDA in leukaemic cells: a clear difference between myelogenous and lymphocytic origins. <b>1981</b> , 43, 793-803		8
2032	A non-disruptive technique for loading calcium buffers and indicators into cells. <b>1981</b> , 290, 527-8		985
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1862	Stimulation of Cl <sup>-</sup> self exchange by intracellular HCO <sub>3</sub> <sup>-</sup> in rabbit cortical collecting duct. <b>1989</b> , 257, C94-101	20
1861	Na <sup>+</sup> -H <sup>+</sup> exchange in isolated myocytes from adult rat heart. <b>1989</b> , 257, C207-13	70
1860	Propionate induces cell swelling and K <sup>+</sup> accumulation in shark rectal gland. <b>1989</b> , 257, C377-84	24
1859	Cytoplasmic pH in pulmonary macrophages: recovery from acid load is Na <sup>+</sup> independent and NEM sensitive. <b>1989</b> , 257, C65-76	102
1858	Changes in lysosome shape and distribution correlated with changes in cytoplasmic pH. <b>1989</b> , 108, 855-64	306
1857	Effects of cytoplasmic acidification on clathrin lattice morphology. <b>1989</b> , 108, 401-11	205
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1854	Fluorescence microscopy methods for yeast. <b>1989</b> , 31, 357-435	457
1853	Use of ultramicrofluorometric methods for the study of single preimplantation embryos. <b>1989</b> , 68, 972-8	3
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1851	Effect of cyclosporin A and ionophores on the intracellular pH of lymphocytes as measured by flow cytometry. <b>1989</b> , 41, 164-70	6
1850	Continuous monitoring of transport by fluorescence on cells and vesicles. <b>1989</b> , 988, 319-34	24
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1848	High-affinity sodium-dependent uptake of ascorbic acid by rat osteoblasts. <b>1989</b> , 111, 83-91	52
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1846	Leukotriene-D <sub>4</sub> induced cell shrinkage in Ehrlich ascites tumor cells. <b>1989</b> , 108, 165-76	25

1845	Intracellular pH in single <i>Saccharomyces cerevisiae</i> cells. <b>1989</b> , 3, 79-84		4
1844	Intracellular Ca <sup>2+</sup> potentiates Na <sup>+</sup> /H <sup>+</sup> exchange and cell differentiation induced by phorbol ester in U937 cells. <b>1989</b> , 183, 709-14		30
1843	Maintenance of proximal and distal cell functions in SV40-transformed tubular cell lines derived from rabbit kidney cortex. <b>1989</b> , 141, 203-21		75
1842	Vita Blue: a new 633-nm excitable fluorescent dye for cell analysis. <b>1989</b> , 10, 151-64		66
1841	Estimation of matrix pH in isolated heart mitochondria using a fluorescent probe. <b>1989</b> , 178, 348-54		52
1840	A new double-barrelled, ionophore-based microelectrode for chloride ions. <b>1989</b> , 414, 663-8		50
1839	Intracellular pH measurement in primary monolayer cultures of rat epididymal cells. <b>1989</b> , 413, 414-21		11
1838	A novel method for absolute calibration of intracellular pH indicators. <b>1989</b> , 413, 553-8		72
1837	The effects of metabolic inhibition on intracellular pH and Ca. <i>Molecular and Cellular Biochemistry</i> , <b>1989</b> , 89, 199-203	4.2	4
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1834	Cell membranes impermeable to NH <sub>3</sub> . <b>1989</b> , 339, 478-80		219
1833	Regulation of intracellular pH by a neuronal homolog of the erythrocyte anion exchanger. <b>1989</b> , 59, 927-37		236
1832	Turtle urinary bladder epithelial cell line. <b>1989</b> , 92, 21-9		2
1831	Cytoplasmic pH in cultured porcine thyroid cells: alkalinization by epidermal growth factor. <b>1989</b> , 1012, 117-20		4
1830	Involvement of calcium and protein kinase C in the activation of the Na <sup>+</sup> /H <sup>+</sup> exchanger in cultured bovine aortic endothelial cells stimulated by extracellular ATP. <b>1989</b> , 1013, 152-8		27
1829	Regulation of pH in individual pancreatic beta-cells as evaluated by fluorescence ratio microscopy. <b>1989</b> , 1014, 219-24		23
1828	Down-regulation of pH-regulating transport systems in BC3H-1 cells. <b>1989</b> , 574, 354-69		4

1827	Basolateral Na/H Exchange in the Hamster Inner Medullary Collecting Duct. <b>1989</b> , 574, 396-398	
1826	Effect of pH on Cl <sup>-</sup> and K <sup>+</sup> Permeabilities of the Frog Corneal Epithelium. <b>1989</b> , 574, 502-504	1
1825	Intracellular alkalinization induced by amphotericin B derivatives in HL-60 leukemia cells. <b>1989</b> , 71, 67-70	2
1824	pH-Dependent Effects of the Ionophore Nigericin on Response of Mammalian Cells to Radiation and Heat Treatment. <b>1989</b> , 117, 282	15
1823	Fluorescent indicators of ion concentrations. <b>1989</b> , 30, 127-56	306
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1821	Effects of argon laser radiation on aortic endothelial cells: early membrane changes and proliferative response. <b>1989</b> , 46, 584-7	2
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1819	Inhibition of chloride/bicarbonate antiports in monkey kidney cells (Vero) by non-steroidal anti-inflammatory drugs. <b>1989</b> , 38, 3583-91	12
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1816	Stimulation of toad lens epithelial Na <sup>+</sup> /H <sup>+</sup> exchange activity by hypertonicity. <b>1989</b> , 48, 855-62	8
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1812	Demonstration of reversible membrane internalization after exocytosis in the rat neurohypophysis. <b>1989</b> , 104, 292-7	1
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1807	Measurement of pH of intracellular compartments in living cells by fluorescent dyes. <b>1989</b> , 172, 85-95		6
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1805	Fluorescence measurement of intracellular pH on proximal tubule suspensions. The need for a BCECF sink. <b>1989</b> , 12, 371-87		5
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1799	Effects of intracellular acidosis on [Ca <sup>2+</sup> ] <sub>i</sub> transients, transsarcolemmal Ca <sup>2+</sup> fluxes, and contraction in ventricular myocytes. <b>1990</b> , 66, 622-32		78
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1794	Hepoxilin A3 induces changes in cytosolic calcium, intracellular pH and membrane potential in human neutrophils. <i>Biochemical Journal</i> , <b>1990</b> , 266, 63-8	3.8	75
1793	Arachidonic acid-induced calcium influx in human platelets. Comparison with the effect of thrombin. <i>Biochemical Journal</i> , <b>1990</b> , 272, 435-43	3.8	49
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1790	Investigation of the relationship between altered intracellular pH and multidrug resistance in mammalian cells. <b>1990</b> , 61, 568-72	62
1789	Calcium-ionophore-induced formation of platelet-activating factor and leukotrienes by horse eosinophils: a comparative study. <b>1990</b> , 187, 475-80	19
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1786	Chronic Li <sup>+</sup> attenuates agonist- and phorbol ester-mediated Na <sup>+</sup> /H <sup>+</sup> antiporter activity in HL-60 cells. <b>1990</b> , 188, 193-202	30
1785	Changes in synaptosomal pH and rates of oxygen radical formation induced by chlordecone. <b>1990</b> , 13, 95-106	6
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1783	Cytoplasmic acidification and activation of Na <sup>+</sup> /H <sup>+</sup> exchange during regulatory volume decrease in Ehrlich ascites tumor cells. <b>1990</b> , 114, 153-7	50
1782	Differentiation of proton-pumping activity in cultured renal inner medullary collecting duct cells. <b>1990</b> , 4, 408-14	
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1773	Regulation of Na <sup>+</sup> /H <sup>+</sup> and Cl <sup>-</sup> /HCO <sub>3</sub> <sup>-</sup> antiports in Vero cells. <b>1990</b> , 143, 178-87	9
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1768	Stimulation of H <sup>+</sup> secretion by CO <sub>2</sub> in turtle bladder: role of intracellular pH, exocytosis, and calcium. <b>1990</b> , 258, R222-31	2
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1765	Regulation of intracellular pH by cultured opossum kidney cells. <b>1990</b> , 259, C110-20	41
1764	Determinants of the transmembrane distribution of chloride in rat lymphocytes: role of Cl <sup>-</sup> /HCO <sub>3</sub> <sup>-</sup> exchange. <b>1990</b> , 258, C1108-16	24
1763	ATP-dependent pHi recovery in lung macrophages: evidence for a plasma membrane H <sup>+</sup> -ATPase. <b>1990</b> , 259, C586-98	32
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1761	Role of Na <sup>+</sup> -H <sup>+</sup> and Cl <sup>-</sup> /HCO <sub>3</sub> <sup>-</sup> antiports in the regulation of cytosolic pH near neutrality. <b>1990</b> , 258, C1117-26	45
1760	Essential activation of Na <sup>+</sup> -H <sup>+</sup> exchange by [H <sup>+</sup> ] <sub>i</sub> in HL-60 cells. <b>1990</b> , 259, C490-502	11
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1758	Intracellular-pH dependence of Na-H exchange and acid loading in quiescent and arginine vasopressin-activated mesangial cells. <b>1990</b> , 87, 5921-4	41
1757	Control of intracellular pH and growth by fibronectin in capillary endothelial cells. <b>1990</b> , 110, 1803-11	228
1756	Angiotensin II stimulates both Na <sup>+</sup> -H <sup>+</sup> exchange and Na <sup>+</sup> /HCO <sub>3</sub> <sup>-</sup> cotransport in the rabbit proximal tubule. <b>1990</b> , 87, 7917-20	198

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1751	Cytoplasmic pH in the action of insulin-like growth factor-I in cultured porcine thyroid cells. <b>1990</b> , 127, 305-9	8
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1743	Receptor-stimulated actin polymerization requires cytoplasmic acidification in human PMNs. <b>1990</b> , 1054, 154-8	10
1742	The fluorescent probe BCECF has a heterogeneous distribution in sea urchin eggs. <b>1990</b> , 14, 689-99	9
1741	Alpha 1-adrenoceptor stimulation increases intracellular pH and Ca <sup>2+</sup> in cardiomyocytes through Na <sup>+</sup> /H <sup>+</sup> and Na <sup>+</sup> /Ca <sup>2+</sup> exchange. <b>1990</b> , 186, 29-40	62
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1722	Bicarbonate transport mechanisms in rabbit ciliary body epithelium. <b>1991</b> , 52, 397-407	28
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1711	pHi regulation in frog retinal pigment epithelium: two apical membrane mechanisms. <b>1991</b> , 261, C132-42	31
1710	Effects of pH on intracellular calcium levels in isolated cochlear outer hair cells of guinea pigs. <b>1991</b> , 261, C231-6	25
1709	Steady-state effects of arginine vasopressin on force and pHi of isolated mesenteric resistance arteries from rats. <b>1991</b> , 261, C1010-7	34
1708	ATP-sensitive Na(+)-H+ antiport in type II alveolar epithelial cells. <b>1991</b> , 261, C954-63	24
1707	Cytosolic acidification stimulates a calcium influx that activates Na(+)-H+ exchange in LLC-PK1. <b>1991</b> , 261, F617-25	8
1706	Inner medullary collecting duct Na(+)-H+ exchanger. <b>1991</b> , 260, C1300-7	11
1705	Cytotactin binding: inhibition of stimulated proliferation and intracellular alkalinization in fibroblasts. <b>1991</b> , 88, 11403-7	45
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1699	Vascular responsiveness and cation exchange in insulin-dependent diabetes. <b>1991</b> , 81, 223-32		72
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1697	Heat treatment induces an increase in intracellular cyclic AMP content in human epidermoid A-431 cells. <i>Biochemical Journal</i> , <b>1991</b> , 276 ( Pt 3), 683-9	3.8	26
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1695	A preliminary study of tumour detection by a pH-dependent fluorescent probe in vivo. <b>1991</b> , 9, 219-28		6
1694	Inhibition of recovery from potentially lethal radiation damage in A549 cells by the K <sup>+</sup> /H <sup>+</sup> ionophore nigericin. <b>1991</b> , 20, 281-5		9
1693	Effect of intracellular pH on cytosolic free [Ca <sup>2+</sup> ] in human epidermoid A-431 cells. <b>1991</b> , 207, 287-96		21
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