

**article(Ammann1987)**

Ammann, D., Bührer, T., Schefer, U., Müller, M. & Simon, W.

*Intracellular neutral carrier-based Ca<sup>2+</sup> microelectrode with subnanomolar detection limit.*

Pflugers Arch, **1987**, Vol. 409(3), pp. 223-228

**article(Bedlechowicz-Sliwakowska2006)**

Bedlechowicz-Sliwakowska, I., Lingenfelter, P., Sokalski, T., Lewenstam, A. & selective electrode, M.M.-Ż.I.

*Ion-selective electrode for measuring low Ca<sup>2+</sup> concentrations in the presence of high K<sup>+</sup>, Na<sup>+</sup> and Mg<sup>2+</sup> background*  
Analytical and Bioanalytical Chemistry, **2006**, Vol. 385, pp. 1477-1482

**article(Bers1982)**

Bers, D.M.

*A simple method for the accurate determination of free [Ca] in Ca-EGTA solutions.*

Am J Physiol, **1982**, Vol. 242(5), pp. C404-C408

**article(Chalmers2003)**

Chalmers, S. & Nicholls, D.G.

*The relationship between free and total calcium concentrations in the matrix of liver and brain mitochondria.*

J Biol Chem, Buck Institute for Age Research, Novato, California 94945, USA., **2003**, Vol. 278(21), pp. 19062-19070

**article(Fabiato1981)**

Fabiato, A.

*Myoplasmic free calcium concentration reached during the twitch of an intact isolated cardiac cell and during calcium-induced release of calcium from the sarcoplasmic reticulum of a skinned cardiac cell from the adult rat or rabbit ventricle.*  
J Gen Physiol, **1981**, Vol. 78(5), pp. 457-497

**article(Gellerich2009)**

Gellerich, F.N., Gizatullina, Z., Arandarcikaite, O., Jerzembek1, D., Vielhaber, S., Seppet, E. & Striggow, F.

*Extramitochondrial Ca<sup>2+</sup> in the Nanomolar Range Regulates Glutamate-Depende*

PLoS ONE, **2009**, Vol. 4, pp. e8181

**article(Gellerich2010)**

Gellerich, F.N., Gizatullina, Z., Trumbeckaite, S., Nguyen, H.P., Pallas, T., Arandarcikaite, O., Vielhaber, S., Seppet, E. & Striggow, F.

*The regulation of OXPHOS by extramitochondrial calcium.*

Biochim Biophys Acta, KeyNeurotek Pharmaceuticals AG, ZENIT Technology Park, Leipziger Str. 44, D-39120 Magdeburg, Germany., **2010**, Vol. ?, pp. ?

**article(Harafuji1980)**

Harafuji, H. & Ogawa, Y.

*Re-examination of the apparent binding constant of ethylene glycol bis(beta-aminoethyl ether)-N,N,N',N'-tetraacetic acid with calcium around neutral pH.*

J Biochem, **1980**, Vol. 87(5), pp. 1305-1312

**article(Kristian2007)**

Kristian, T., Pivovarova, N.B., Fiskum, G. & Andrews, S.B.

*Calcium-induced precipitate formation in brain mitochondria: composition, calcium capacity, and retention.*

J Neurochem, Department of Anesthesiology, University of Maryland, School of Medicine, Baltimore, Maryland 21201, USA. tkris001@umaryland.edu, **2007**, Vol. 102(4), pp. 1346-1356

**article(Lee1981)**

Lee, C.

*Ionic Activities in Cardiac Muscle Cells and Application of Ion Selective Microelectrodes*

American Journal of Physiology, **1981**, Vol. 241, pp. H459-H478

**article(Marks1991)**

Marks, P.W. & Maxfield, F.R.

*Preparation of Solutions with Free Calcium Concentrations in the Nanomolar Range Using 1,2-Bis(o-aminophenoxy)ethane-N,N,N',N'-tetraacetic Acid*

Anal. Biochem., **1991**, Vol. 193, pp. 61-71

**book(Martell1989)**

Martell, A.E. & Smith, R.M.

*Critical Stability Constants 1: Amino Acids*

Plenum Press, **1989**, Vol. 1

**article(Schefer1986)**

Schefer, U., Ammann, D., Pretsch, E., Oesch, U. & Simon, W.

*Neutral Carrier Based Ca<sup>2+</sup>-Selective Electrode with Detection Limit in the Sub-Nanomolar Range*

Analytical Chemistry, **1986**, Vol. 58, pp. 2282-2285

**article(Tsien1981a)**

Tsien, R.Y. & Rink, T.J.

*Ca<sup>2+</sup>-selective electrodes: a novel PVC-gelled neutral carrier mixture compared with other currently available sensors.*

J Neurosci Methods, **1981**, Vol. 4(1), pp. 73-86

**article(Tsien1980)**

Tsien, R.Y. & Rink, T.J.

*Neutral carrier ion-selective microelectrodes for measurement of intracellular free calcium.*

Biochim Biophys Acta, **1980**, Vol. 599(2), pp. 623-638

**article(Waenninen1987)**

Wänninen, E.V. & Ingman, F.

*METAL BUFFERS IN CHEMICAL ANALYSIS: PART I - THEORETICAL CONSIDERATIONS*

Pure Appl. Chem., **1987**, Vol. 59, pp. 1681-1692