

References for Products 21120 to 21128

1. Territo PR, Heil J, Bose S, Evans FJ, Balaban RS. (2007) Fluorescence absorbance inner-filter decomposition: the role of emission shape on estimates of free Ca(2+) using Rhod-2. *Appl Spectrosc*, 61, 138.
2. Bednar B, Cunningham ME, Kiss L, Cheng G, McCauley JA, Liverton NJ, Koblan KS. (2004) Kinetic characterization of novel NR2B antagonists using fluorescence detection of calcium flux. *J Neurosci Methods*, 137, 247.
3. Martin VV, Beierlein M, Morgan JL, Rothe A, Gee KR. (2004) Novel fluo-4 analogs for fluorescent calcium measurements. *Cell Calcium*, 36, 509.
4. Stamm C, del Nido PJ. (2004) Protein kinase C and myocardial calcium handling during ischemia and reperfusion: lessons learned using Rhod-2 spectrofluorometry. *Thorac Cardiovasc Surg*, 52, 127.
5. Stamm C, Friehs I, Choi YH, Zurakowski D, McGowan FX, del Nido PJ. (2003) Cytosolic calcium in the ischemic rabbit heart: assessment by pH- and temperature-adjusted rhod-2 spectrofluorometry. *Cardiovasc Res*, 59, 695.
6. Du C, MacGowan GA, Farkas DL, Koretsky AP. (2001) Calibration of the calcium dissociation constant of Rhod(2) in the perfused mouse heart using manganese quenching. *Cell Calcium*, 29, 217.
7. Du C, MacGowan GA, Farkas DL, Koretsky AP. (2001) Calcium measurements in perfused mouse heart: quantitating fluorescence and absorbance of Rhod-2 by application of photon migration theory. *Biophys J*, 80, 549.
8. Lannergren J, Westerblad H, Bruton JD. (2001) Changes in mitochondrial Ca²⁺ detected with Rhod-2 in single frog and mouse skeletal muscle fibres during and after repeated tetanic contractions. *J Muscle Res Cell Motil*, 22, 265.
9. MacGowan GA, Du C, Glonty V, Suhan JP, Koretsky AP, Farkas DL. (2001) Rhod-2 based measurements of intracellular calcium in the perfused mouse heart: cellular and subcellular localization and response to positive inotropy. *J Biomed Opt*, 6, 23.
10. Muriel MP, Lambeng N, Darios F, Michel PP, Hirsch EC, Agid Y, Ruberg M. (2000) Mitochondrial free calcium levels (Rhod-2 fluorescence) and ultrastructural alterations in neuronally differentiated PC12 cells during ceramide-dependent cell death. *J Comp Neurol*, 426, 297.
11. Cheng H, Song LS, Shirokova N, Gonzalez A, Lakatta EG, Rios E, Stern MD. (1999) Amplitude distribution of calcium sparks in confocal images: theory and studies with an automatic detection method. *Biophys J*, 76, 606.
12. do Ceu Monteiro M, Sansonetty F, Goncalves MJ, O'Connor JE. (1999) Flow cytometric kinetic assay of calcium mobilization in whole blood platelets using Fluo-3 and CD41. *Cytometry*, 35, 302.
13. Smith GD, Keizer JE, Stern MD, Lederer WJ, Cheng H. (1998) A simple numerical model of calcium spark formation and detection in cardiac myocytes. *Biophys J*, 75, 15.
14. Su ZL, Li N, Sun YR, Yang J, Wang IM, Jiang SC. (1998) [Monitoring calcium in outer hair cells with confocal microscopy and fluorescence ratios of fluo-3 and fura-red]. *Shi Yan Sheng Wu Xue Bao*, 31, 323.
15. Perez-Terzic C, Stehno-Bittel L, Clapham DE. (1997) Nucleoplasmic and cytoplasmic differences in the fluorescence properties of the calcium indicator Fluo-3. *Cell Calcium*, 21, 275.
16. Tretyn A, Kado RT, Kendrick RE. (1997) Loading and localization of Fluo-3 and Fluo-3/AM calcium indicators in sinapis alba root tissue. *Folia Histochem Cytobiol*, 35, 41.
17. Greimers R, Trebak M, Moutschen M, Jacobs N, Boniver J. (1996) Improved four-color flow cytometry method using fluo-3 and triple immunofluorescence for analysis of intracellular calcium ion ([Ca²⁺]_i) fluxes among mouse lymph node B- and T-lymphocyte subsets. *Cytometry*, 23, 205.
18. Reber BF, Schindelholz B. (1996) Detection of a trigger zone of bradykinin-induced fast calcium waves in PC12 neurites. *Pflugers Arch*, 432, 893.

19. Escobar AL, Cifuentes F, Vergara JL. (1995) Detection of Ca²⁺-transients elicited by flash photolysis of DM-nitrophen with a fast calcium indicator. *FEBS Lett*, 364, 335.
20. Bailey JL, Storey BT. (1994) Calcium influx into mouse spermatozoa activated by solubilized mouse zona pellucida, monitored with the calcium fluorescent indicator, fluo-3. Inhibition of the influx by three inhibitors of the zona pellucida induced acrosome reaction: tyrphostin A48, pertussis toxin, and 3-quinuclidinyl benzilate. *Mol Reprod Dev*, 39, 297.
21. Baus E, Urbain J, Leo O, Andris F. (1994) Flow cytometric measurement of calcium influx in murine T cell hybrids using Fluo-3 and an organic-anion transport inhibitor. *J Immunol Methods*, 173, 41.
22. Novak EJ, Rabinovitch PS. (1994) Improved sensitivity in flow cytometric intracellular ionized calcium measurement using fluo-3/Fura Red fluorescence ratios. *Cytometry*, 17, 135.
23. Schild D, Jung A, Schultens HA. (1994) Localization of calcium entry through calcium channels in olfactory receptor neurones using a laser scanning microscope and the calcium indicator dyes Fluo-3 and Fura-Red. *Cell Calcium*, 15, 341.
24. Fallon KM, Shacklock PS, Trewavas AJ. (1993) Detection in Vivo of Very Rapid Red Light-Induced Calcium-Sensitive Protein Phosphorylation in Etiolated Wheat (*Triticum aestivum*) Leaf Protoplasts. *Plant Physiol*, 101, 1039.
25. Harkins AB, Kurebayashi N, Baylor SM. (1993) Resting myoplasmic free calcium in frog skeletal muscle fibers estimated with fluo-3. *Biophys J*, 65, 865.
26. Yee J, Christou NV. (1993) Neutrophil priming by lipopolysaccharide involves heterogeneity in calcium-mediated signal transduction. Studies using fluo-3 and flow cytometry. *J Immunol*, 150, 1988.
27. Yorek MA, Davidson EP, Dunlap JA, Stefani MR. (1993) Effect of bradykinin on cytosolic calcium in neuroblastoma cells using the fluorescent indicator fluo-3. *Biochim Biophys Acta*, 1177, 215.
28. Hagar AF, Spitzer JA. (1992) The effect of endotoxemia on concanavalin A induced alterations in cytoplasmic free calcium in rat spleen cells as determined with Fluo-3. *Cell Calcium*, 13, 123.
29. Michelangeli F. (1991) Fluo-3 an ideal calcium indicator for measuring calcium fluxes in SR and ER. *Biochem Soc Trans*, 19, 183S.
30. Sei Y, Arora PK. (1991) Quantitative analysis of calcium (Ca²⁺) mobilization after stimulation with mitogens or anti-CD3 antibodies. Simultaneous fluo-3 and immunofluorescence flow cytometry. *J Immunol Methods*, 137, 237.
31. June CH, Rabinovitch PS. (1990) Flow cytometric measurement of intracellular ionized calcium in single cells with indo-1 and fluo-3. *Methods Cell Biol*, 33, 37.
32. Saavedra-Molina A, Uribe S, Devlin TM. (1990) Control of mitochondrial matrix calcium: studies using fluo-3 as a fluorescent calcium indicator. *Biochem Biophys Res Commun*, 167, 148.
33. Vandenbergh PA, Ceuppens JL. (1990) Flow cytometric measurement of cytoplasmic free calcium in human peripheral blood T lymphocytes with fluo-3, a new fluorescent calcium indicator. *J Immunol Methods*, 127, 197.
34. Eberhard M, Erne P. (1989) Kinetics of calcium binding to fluo-3 determined by stopped-flow fluorescence. *Biochem Biophys Res Commun*, 163, 309.
35. Kao JP, Harootunian AT, Tsien RY. (1989) Photochemically generated cytosolic calcium pulses and their detection by fluo-3. *J Biol Chem*, 264, 8179.