

References for Products 21010 to 21018

1. Bailey S, Macardle PJ. (2006) A flow cytometric comparison of Indo-1 to fluo-3 and Fura Red excited with low power lasers for detecting Ca(2+) flux. *J Immunol Methods*, 311, 220.
2. Orlicky J, Sulova Z, Dovinova I, Fiala R, Zahradnikova A, Jr., Breier A. (2004) Functional fluo-3/AM assay on P-glycoprotein transport activity in L1210/VCR cells by confocal microscopy. *Gen Physiol Biophys*, 23, 357.
3. Loughrey CM, MacEachern KE, Cooper J, Smith GL. (2003) Measurement of the dissociation constant of Fluo-3 for Ca2+ in isolated rabbit cardiomyocytes using Ca2+ wave characteristics. *Cell Calcium*, 34, 1.
4. Patel H, Porter RH, Palmer AM, Croucher MJ. (2003) Comparison of human recombinant adenosine A2B receptor function assessed by Fluo-3-AM fluorometry and microphysiometry. *Br J Pharmacol*, 138, 671.
5. 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.
6. Walczysko P, Wagner E, Albrechtova JT. (2000) Use of co-loaded Fluo-3 and Fura Red fluorescent indicators for studying the cytosolic Ca(2+)concentrations distribution in living plant tissue. *Cell Calcium*, 28, 23.
7. Zhang T, Cao EH, Li JF. (2000) A laser scanning confocal microscopy method. Simultaneous detection of intracellular Ca2+ and apoptosis using Fluo-3 and Hoechst 33342. *Anal Quant Cytol Histol*, 22, 93.
8. Cantz T, Nies AT, Brom M, Hofmann AF, Keppler D. (2000) MRP2, a human conjugate export pump, is present and transports fluo 3 into apical vacuoles of Hep G2 cells. *Am J Physiol Gastrointest Liver Physiol*, 278, G522.
9. Wohlfart B. (2000) [Ca2+]-i following extrasystoles in guinea-pig trabeculae microinjected with fluo-3 - a comparison with frog skeletal muscle fibres. *Acta Physiol Scand*, 169, 1.
10. Rockwell PL, Storey BT. (2000) Kinetics of onset of mouse sperm acrosome reaction induced by solubilized zona pellucida: fluorimetric determination of loss of pH gradient between acrosomal lumen and medium monitored by dapoxyl (2-aminoethyl) sulfonamide and of intracellular Ca(2+) changes monitored by fluo-3. *Mol Reprod Dev*, 55, 335.
11. Rockwell PL, Storey BT. (1999) Determination of the intracellular dissociation constant, K(D), of the fluo-3-Ca(2+) complex in mouse sperm for use in estimating intracellular Ca(2+) concentrations. *Mol Reprod Dev*, 54, 418.
12. Kawasaki N, Lee YC, Hashimoto O, Yamamoto M, Kawanishi T, Hayakawa T. (1999) Fluorometric determination of aminopolycarboxylates using Fluo-3. *Anal Biochem*, 270, 329.
13. 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.
14. Sandhu V, Miller M, Grover AK. (1998) Effects of peroxide on the fluorescence of the Ca2+ probe Fluo 3 and the pH probe BCECF. *Mol Cell Biochem*, 178, 77.
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. Gheuens EE, van der Heyden SA, Elst HE, Van Oosterom AT, De Bruijn EA. (1997) Comparison of daunorubicin and Fluo-3 for detection of multidrug resistance in human tumor cells. *Cancer Detect Prev*, 21, 78.
18. Telford WG, Miller RA. (1996) Detection of plasma membrane Ca(2+)-ATPase activity in mouse T lymphocytes by flow cytometry using fluo-3-loaded vesicles. *Cytometry*, 24, 243.

19. Atsumi T, Sugita K, Kohno M, Takahashi T, Ueha T. (1996) Simultaneous measurement of Ca²⁺ and pH by laser cytometry using fluo-3 and SNARF-1. *Cytometry*, 24, 99.
20. Tao J, Rose B, Haynes DH. (1996) Variability of the thrombin- and ADP-induced Ca²⁺ response among human platelets measured using fluo-3 and fluorescent videomicroscopy. *Biochim Biophys Acta*, 1311, 164.
21. Issa NP, Hudspeth AJ. (1996) Characterization of fluo-3 labelling of dense bodies at the hair cell's presynaptic active zone. *J Neurocytol*, 25, 257.
22. 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.
23. Schnetkamp PP. (1996) Functional expression of Na-Ca exchanger clones measured with the fluorescent Ca(2+)-indicating dye fluo-3. *Biochem Cell Biol*, 74, 535.
24. Floto RA, Mahaut-Smith MP, Somasundaram B, Allen JM. (1995) IgG-induced Ca²⁺ oscillations in differentiated U937 cells; a study using laser scanning confocal microscopy and co-loaded fluo-3 and fura-red fluorescent probes. *Cell Calcium*, 18, 377.
25. Koizumi S, Konishi M, Ichihara T, Wada H, Matsukawa H, Goi K, Mizutani S. (1995) Flow cytometric functional analysis of multidrug resistance by Fluo-3: a comparison with rhodamine-123. *Eur J Cancer*, 31A, 1682.
26. Van Acker KL, De Greef C, Eggermont J, Zhang P, Vandenbergh P, Boogaerts MA. (1995) Detection of P-glycoprotein with a rapid flow cytometric functional assay using Fluo-3: evaluation of sensitivity, specificity and feasibility in multiparametric analysis. *Leukemia*, 9, 1398.
27. Wilcox RA, Strupish J, Nahorski SR. (1995) Measurement of Ca²⁺ fluxes in permeabilized cells using 45Ca²⁺ and fluo-3. *Methods Mol Biol*, 41, 215.
28. Caputo C, Bolanos P. (1994) Fluo-3 signals associated with potassium contractures in single amphibian muscle fibres. *J Physiol*, 481 (Pt 1), 119.
29. 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.
30. Sommer F, Bischof S, Rollinghoff M, Lohoff M. (1994) Demonstration of organic anion transport in T lymphocytes. L-lactate and fluo-3 are target molecules. *J Immunol*, 153, 3523.
31. Novak EJ, Rabinovitch PS. (1994) Improved sensitivity in flow cytometric intracellular ionized calcium measurement using fluo-3/Fura Red fluorescence ratios. *Cytometry*, 17, 135.
32. 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.
33. Caputo C, Edman KA, Lou F, Sun YB. (1994) Variation in myoplasmic Ca²⁺ concentration during contraction and relaxation studied by the indicator fluo-3 in frog muscle fibres. *J Physiol*, 478 (Pt 1), 137.
34. 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.
35. Satoh H, Hayashi H, Noda N, Terada H, Kobayashi A, Hirano M, Yamashita Y, Yamazaki N. (1994) Regulation of [Na⁺]_i and [Ca²⁺]_i in guinea pig myocytes: dual loading of fluorescent indicators SBFI and fluo 3. *Am J Physiol*, 266, H568.
36. Harkins AB, Kurebayashi N, Baylor SM. (1993) Resting myoplasmic free calcium in frog skeletal muscle fibers estimated with fluo-3. *Biophys J*, 65, 865.
37. 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.

38. 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.
39. Wall DM, Sparrow R, Hu XF, Nadalin G, Zalcberg JR, Marschner IC, Van der Weyden M, Parkin JD. (1993) Clinical application of a rapid, functional assay for multidrug resistance based on accumulation of the fluorescent dye, fluo-3. *Eur J Cancer*, 29A, 1024.
40. 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.
41. Suetake I, Takisawa H, Nakamura T. (1992) Contractile activity and fluorescence changes in fluo-3-loaded isolated ventricular myocytes. *Jpn J Physiol*, 42, 815.
42. Schnetkamp PP, Basu DK, Li XB, Szerencsei RT. (1991) Regulation of intracellular free Ca²⁺ concentration in the outer segments of bovine retinal rods by Na-Ca-K exchange measured with fluo-3. II. Thermodynamic competence of transmembrane Na⁺ and K⁺ gradients and inactivation of Na(+)-dependent Ca²⁺ extrusion. *J Biol Chem*, 266, 22983.
43. Schnetkamp PP, Li XB, Basu DK, Szerencsei RT. (1991) Regulation of free cytosolic Ca²⁺ concentration in the outer segments of bovine retinal rods by Na-Ca-K exchange measured with fluo-3. I. Efficiency of transport and interactions between cations. *J Biol Chem*, 266, 22975.
44. Timmers AC, Reiss HD, Schel JH. (1991) Digitonin-aided loading of Fluo-3 into embryogenic plant cells. *Cell Calcium*, 12, 515.
45. Michelangeli F. (1991) Fluo-3 an ideal calcium indicator for measuring calcium fluxes in SR and ER. *Biochem Soc Trans*, 19, 183S.
46. 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.
47. Wall DM, Hu XF, Zalcberg JR, Parkin JD. (1991) Rapid functional assay for multidrug resistance in human tumor cell lines using the fluorescent indicator fluo-3. *J Natl Cancer Inst*, 83, 206.
48. Omann GM, Harter JM. (1991) Pertussis toxin effects on chemoattractant-induced response heterogeneity in human PMNs utilizing Fluo-3 and flow cytometry. *Cytometry*, 12, 252.
49. Merritt JE, McCarthy SA, Davies MP, Moores KE. (1990) Use of fluo-3 to measure cytosolic Ca²⁺ in platelets and neutrophils. Loading cells with the dye, calibration of traces, measurements in the presence of plasma, and buffering of cytosolic Ca²⁺. *Biochem J*, 269, 513.
50. Vandenberghe 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.
51. 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.
52. Rijkers GT, Justement LB, Griffioen AW, Cambier JC. (1990) Improved method for measuring intracellular Ca++ with fluo-3. *Cytometry*, 11, 923.
53. 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.
54. Eberhard M, Erne P. (1989) Kinetics of calcium binding to fluo-3 determined by stopped-flow fluorescence. *Biochem Biophys Res Commun*, 163, 309.
55. Kao JP, Harootunian AT, Tsien RY. (1989) Photochemically generated cytosolic calcium pulses and their detection by fluo-3. *J Biol Chem*, 264, 8179.