

## **References for Product 22211**

1. Jilkina O, Kong HJ, Hwi L, Kuzio B, Xiang B, Manley D, Jackson M, Kupriyanov VV. (2006) Interaction of a mitochondrial membrane potential-sensitive dye, rhodamine 800, with rat mitochondria, cells, and perfused hearts. *J Biomed Opt*, 11, 014009.
2. Lacerda SH, Abraham B, Stringfellow TC, Indig GL. (2005) Photophysical, photochemical, and tumor-selectivity properties of bromine derivatives of rhodamine-123. *Photochem Photobiol*, 81, 1430.
3. Arsecularatne SN, Atapattu DN, Wickramaratne K. (2005) Nature and significance of the electron-dense bodies of the endospores of rhinosporidium seeberi: their reactions with MTT (3-[4,5-dimethyl-2-thiazolyl]-2,5-diphenyl-2H-tetrazolium bromide) and TMRE (tetramethyl-rhodamine ethyl ester). *Med Mycol*, 43, 261.
4. Lo KC, Brugh VM, 3rd, Parker M, Lamb DJ. (2005) Isolation and enrichment of murine spermatogonial stem cells using rhodamine 123 mitochondrial dye. *Biol Reprod*, 72, 767.
5. Saris NE, Teplova VV, Odinokova IV, Azarashvily TS. (2004) Interference of calmidazolium with measurement of mitochondrial membrane potential using the tetraphenylphosphonium electrode or the fluorescent probe rhodamine 123. *Anal Biochem*, 328, 109.
6. Schneckenburger H, Stock K, Lyttek M, Strauss WS, Sailer R. (2004) Fluorescence lifetime imaging (FLIM) of rhodamine 123 in living cells. *Photochem Photobiol Sci*, 3, 127.
7. Bolduc JS, Denizeau F, Jumarie C. (2004) Cadmium-induced mitochondrial membrane-potential dissipation does not necessarily require cytosolic oxidative stress: studies using rhodamine-123 fluorescence unquenching. *Toxicol Sci*, 77, 299.
8. Baracca A, Sgarbi G, Solaini G, Lenaz G. (2003) Rhodamine 123 as a probe of mitochondrial membrane potential: evaluation of proton flux through F(0) during ATP synthesis. *Biochim Biophys Acta*, 1606, 137.
9. Ribou AC, Vigo J, Kohen E, Salmon JM. (2003) Microfluorometric study of oxygen dependence of (1"-pyrene butyl)-2-rhodamine ester probe in mitochondria of living cells. *J Photochem Photobiol B*, 70, 107.
10. Reungpathanaphong P, Dechsupa S, Meesungnoen J, Loetchutinat C, Mankhetkorn S. (2003) Rhodamine B as a mitochondrial probe for measurement and monitoring of mitochondrial membrane potential in drug-sensitive and -resistant cells. *J Biochem Biophys Methods*, 57, 1.
11. Hirsch-Ernst KI, Ziemann C, Rustenbeck I, Kahl GF. (2001) Inhibitors of mdr1-dependent transport activity delay accumulation of the mdr1 substrate rhodamine 123 in primary rat hepatocyte cultures. *Toxicology*, 167, 47.
12. Hu Y, Moraes CT, Savaraj N, Priebe W, Lampidis TJ. (2000) Rho(0) tumor cells: a model for studying whether mitochondria are targets for rhodamine 123, doxorubicin, and other drugs. *Biochem Pharmacol*, 60, 1897.
13. Toescu EC, Verkhratsky A. (2000) Assessment of mitochondrial polarization status in living cells based on analysis of the spatial heterogeneity of rhodamine 123 fluorescence staining. *Pflugers Arch*, 440, 941.
14. Mandala M, Serck-Hanssen G, Martino G, Helle KB. (1999) The fluorescent cationic dye rhodamine 6G as a probe for membrane potential in bovine aortic endothelial cells. *Anal Biochem*, 274, 1.
15. Williams AJ, Murrell M, Brammah S, Minchenko J, Christodoulou J. (1999) A novel system for assigning the mode of inheritance in mitochondrial disorders using cybrids and rhodamine 6G. *Hum Mol Genet*, 8, 1691.
16. Floryk D, Houstek J. (1999) Tetramethyl rhodamine methyl ester (TMRM) is suitable for cytofluorometric measurements of mitochondrial membrane potential in cells treated with digitonin. *Biosci Rep*, 19, 27.
17. Scaduto RC, Jr., Grotjohann LW. (1999) Measurement of mitochondrial membrane potential using fluorescent rhodamine derivatives. *Biophys J*, 76, 469.

18. Kim M, Cooper DD, Hayes SF, Spangrude GJ. (1998) Rhodamine-123 staining in hematopoietic stem cells of young mice indicates mitochondrial activation rather than dye efflux. *Blood*, 91, 4106.
19. Eytan GD, Regev R, Oren G, Hurwitz CD, Assaraf YG. (1997) Efficiency of P-glycoprotein-mediated exclusion of rhodamine dyes from multidrug-resistant cells is determined by their passive transmembrane movement rate. *Eur J Biochem*, 248, 104.
20. Salvioli S, Ardizzone A, Franceschi C, Cossarizza A. (1997) JC-1, but not DiOC6(3) or rhodamine 123, is a reliable fluorescent probe to assess delta psi changes in intact cells: implications for studies on mitochondrial functionality during apoptosis. *FEBS Lett*, 411, 77.
21. Petriz J, Garcia-Lopez J. (1997) Flow cytometric analysis of P-glycoprotein function using rhodamine 123. *Leukemia*, 11, 1124.
22. Jeannot V, Salmon JM, Deumie M, Viallet P. (1997) Intracellular accumulation of rhodamine 110 in single living cells. *J Histochem Cytochem*, 45, 403.
23. Sakanoue J, Ichikawa K, Nomura Y, Tamura M. (1997) Rhodamine 800 as a probe of energization of cells and tissues in the near-infrared region: a study with isolated rat liver mitochondria and hepatocytes. *J Biochem (Tokyo)*, 121, 29.
24. Porwol T, Merten E, Opitz N, Acker H. (1996) Three-dimensional imaging of rhodamine 123 fluorescence distribution in human melanoma cells by means of confocal laser scanning microscopy. *Acta Anat (Basel)*, 157, 116.
25. Ferlini C, Biselli R, Nisini R, Fattorossi A. (1995) Rhodamine 123: a useful probe for monitoring T cell activation. *Cytometry*, 21, 284.
26. Almeida A, Orfao A, Lopez-Mediavilla C, Medina JM. (1995) Hypothyroidism prevents postnatal changes in rat liver mitochondrial populations defined by rhodamine-123 staining. *Endocrinology*, 136, 4448.
27. Zijlmans JM, Visser JW, Kleiverda K, Kluij PM, Willemze R, Fibbe WE. (1995) Modification of rhodamine staining allows identification of hematopoietic stem cells with preferential short-term or long-term bone marrow-repopulating ability. *Proc Natl Acad Sci U S A*, 92, 8901.
28. Canitrot Y, Lautier D. (1995) [Use of rhodamine 123 for the detection of multidrug resistance]. *Bull Cancer*, 82, 687.
29. Baatz H, Steinbauer M, Harris AG, Krombach F. (1995) Kinetics of white blood cell staining by intravascular administration of rhodamine 6G. *Int J Microcirc Clin Exp*, 15, 85.
30. Denis-Gay M, Petit JM, Ratinaud MH. (1995) Rhodamine 123: is it an appropriate dye to study P-glycoprotein activity in adriamycin-resistant K562 cells? *Anticancer Res*, 15, 121.