

References for Product 22200

1. Asturiano JF, Marco-Jimenez F, Perez L, Balasch S, Garzon DL, Penaranda DS, Vicente JS, Viudes-de-Castro MP, Jover M. (2006) Effects of hCG as spermiation inducer on European eel semen quality. *Theriogenology*, 66, 1012.
2. Atsumi T, Tonosaki K, Fujisawa S. (2006) Induction of early apoptosis and ROS-generation activity in human gingival fibroblasts (HGF) and human submandibular gland carcinoma (HSG) cells treated with curcumin. *Arch Oral Biol*, 51, 913.
3. Bains R, Moe MC, Larsen GA, Berg-Johnsen J, Vinje ML. (2006) Volatile anaesthetics depolarize neural mitochondria by inhibition of the electron transport chain. *Acta Anaesthesiol Scand*, 50, 572.
4. Bajt ML, Cover C, Lemasters JJ, Jaeschke H. (2006) Nuclear Translocation of Endonuclease G and Apoptosis-Inducing Factor during Acetaminophen-Induced Liver Cell Injury. *Toxicol Sci*, 94, 217.
5. Baregamian N, Song J, Jeschke MG, Evers BM, Chung DH. (2006) IGF-1 protects intestinal epithelial cells from oxidative stress-induced apoptosis. *J Surg Res*, 136, 31.
6. Bodo J, Jakubikova J, Chalupa I, Bartosova Z, Horakova K, Floch L, Sedlak J. (2006) Apoptotic effect of ethyl-4-isothiocyanatobutanoate is associated with DNA damage, proteasomal activity and induction of p53 and p21cip1/waf1. *Apoptosis*, 11, 1299.
7. Bodo J, Jakubikova J, Chalupa I, Bartosova Z, Horakova K, Floch L, Sedlak J. (2006) Apoptotic effect of ethyl-4-isothiocyanatobutanoate is associated with DNA damage, proteasomal activity and induction of p53 and p21(cip1/waf1). *Apoptosis*.
8. Boveris A, Valdez LB, Zaobornyj T, Bustamante J. (2006) Mitochondrial metabolic states regulate nitric oxide and hydrogen peroxide diffusion to the cytosol. *Biochim Biophys Acta*, 1757, 535.
9. Brown NM, Martin SM, Maurice N, Kuwana T, Knudson CM. (2006) Caspase inhibition blocks cell death and results in cell cycle arrest in cytokine deprived hematopoietic cells. *J Biol Chem*.
10. Brunt KR, Fenrich KK, Kiani G, Tse MY, Pang SC, Ward CA, Melo LG. (2006) Protection of human vascular smooth muscle cells from H₂O₂-induced apoptosis through functional codependence between HO-1 and AKT. *Arterioscler Thromb Vasc Biol*, 26, 2027.
11. Budas GR, Sukhodub A, Alessi DR, Jovanovic A. (2006) 3'Phosphoinositide-dependent kinase-1 is essential for ischemic preconditioning of the myocardium. *Faseb J*, 20, 2556.
12. Chaoui D, Faussat AM, Majdak P, Tang R, Perrot JY, Pasco S, Klein C, Marie JP, Legrand O. (2006) JC-1, a sensitive probe for a simultaneous detection of P-glycoprotein activity and apoptosis in leukemic cells. *Cytometry B Clin Cytom*, 70, 189.
13. Chaoui D, Faussat AM, Majdak P, Tang R, Perrot JY, Pasco S, Klein C, Marie JP, Legrand O. (2006) JC-1, a sensitive probe for a simultaneous detection of P-glycoprotein activity and apoptosis in leukemic cells. *Cytometry B Clin Cytom*, 70, 189.
14. Chow KU, Nowak D, Kim SZ, Schneider B, Komor M, Boehrer S, Mitrou PS, Hoelzer D, Weidmann E, Hofmann WK. (2006) In vivo drug-response in patients with leukemic non-Hodgkin's lymphomas is associated with in vitro chemosensitivity and gene expression profiling. *Pharmacol Res*, 53, 49.
15. Cichorek M, Kozłowska K, Wachulska M, Zielinska K. (2006) Spontaneous apoptosis of melanotic and amelanotic melanoma cells in different phases of cell cycle: relation to tumor growth. *Folia Histochem Cytobiol*, 44, 31.
16. Derosier LC, Huang ZQ, Sellers JC, Buchsbaum DJ, Vickers SM. (2006) Treatment With Gemcitabine and TRA-8 Anti-Death Receptor-5 mAb Reduces Pancreatic Adenocarcinoma Cell Viability In Vitro and Growth In Vivo. *J Gastrointest Surg*, 10, 1291.
17. Dressler C, Beuthan J, Mueller G, Zabarylo U, Minet O. (2006) Fluorescence imaging of heat-stress induced mitochondrial long-term depolarization in breast cancer cells. *J Fluoresc*, 16, 689.
18. Fernandez-Santos MR, Martinez-Pastor F, Garcia-Macias V, Estes MC, Soler AJ, de Paz P, Anel L, Garde JJ. (2006) Extender osmolality and sugar supplementation exert a

- complex effect on the cryopreservation of Iberian red deer (*Cervus elaphus hispanicus*) epididymal spermatozoa. *Theriogenology*.
19. Flynn JM, Cammarata PR. (2006) Estradiol attenuates mitochondrial depolarization in polyol-stressed lens epithelial cells. *Mol Vis*, 12, 271.
 20. Garcia de Arriba S, Wegner F, Gruner K, Verdaguer E, Pallas M, Camins A, Wagner A, Wohlfahrt K, Allgaier C. (2006) Different capacities of various NMDA receptor antagonists to prevent ischemia-induced neurodegeneration in human cultured NT2 neurons. *Neurochem Int*, 49, 466.
 21. Guthrie HD, Welch GR. (2006) Determination of intracellular reactive oxygen species and high mitochondrial membrane potential in Percoll-treated viable boar sperm using fluorescence-activated flow cytometry. *J Anim Sci*, 84, 2089.
 22. Hassouna A, Loubani M, Matata BM, Fowler A, Standen NB, Galinanes M. (2006) Mitochondrial dysfunction as the cause of the failure to precondition the diabetic human myocardium. *Cardiovasc Res*, 69, 450.
 23. Hua Y, Qian XM, Chen BG, Yang JH, Wu XY, Ma L, Chen CL. (2006) [Application of flow cytometry to the evaluation of semen quality]. *Zhonghua Nan Ke Xue*, 12, 608.
 24. Iijima T, Mishima T, Akagawa K, Iwao Y. (2006) Neuroprotective effect of propofol on necrosis and apoptosis following oxygen-glucose deprivation--relationship between mitochondrial membrane potential and mode of death. *Brain Res*, 1099, 25.
 25. Jain RK, Maikhuri JP, Kiran Kumar ST, Sharma VL, Dwivedi AK, Mitra K, Bajpai VK, Gupta G. (2006) Novel disulphide esters of carbothioic acid as potent, non-detergent spermicides with low toxicity to *Lactobacillus* and HeLa cells in vitro. *Hum Reprod*.
 26. Jakubikova J, Sedlak J. (2006) Garlic-derived organosulfides induce cytotoxicity, apoptosis, cell cycle arrest and oxidative stress in human colon carcinoma cell lines. *Neoplasma*, 53, 191.
 27. Leaver HA, Schou AC, Rizzo MT, Prowse CV. (2006) Calcium-sensitive mitochondrial membrane potential in human platelets and intrinsic signals of cell death. *Platelets*, 17, 368.
 28. Lee CW, Peng HB. (2006) Mitochondrial clustering at the vertebrate neuromuscular junction during presynaptic differentiation. *J Neurobiol*, 66, 522.
 29. Liang PY, Zeng YY, Wang T, Xing FY, Zhao JX, Jiang X, Di JF. (2006) [The effect of p38 on the cytoheximide-induced HL-60 cell death through mitochondria pathway]. *Zhonghua Xue Ye Xue Za Zhi*, 27, 398.
 30. Lim MS, Lim PL, Gupta R, Boelsterli UA. (2006) Critical role of free cytosolic calcium, but not uncoupling, in mitochondrial permeability transition and cell death induced by diclofenac oxidative metabolites in immortalized human hepatocytes. *Toxicol Appl Pharmacol*.
 31. Luchetti F, Canonico B, Curci R, Battistelli M, Mannello F, Papa S, Tarzia G, Falcieri E. (2006) Melatonin prevents apoptosis induced by UV-B treatment in U937 cell line. *J Pineal Res*, 40, 158.
 32. Mashimo K, Ohno Y. (2006) Ethanol hyperpolarizes mitochondrial membrane potential and increases mitochondrial fraction in cultured mouse myocardial cells. *Arch Toxicol*, 80, 421.
 33. Nagashima T, Okazaki H, Yudoh K, Matsuno H, Minota S. (2006) Apoptosis of rheumatoid synovial cells by statins through the blocking of protein geranylgeranylation: a potential therapeutic approach to rheumatoid arthritis. *Arthritis Rheum*, 54, 579.
 34. Ohashi T, Hagiwara M, Bader DL, Knight MM. (2006) Intracellular mechanics and mechanotransduction associated with chondrocyte deformation during pipette aspiration. *Biorheology*, 43, 201.
 35. Ortega-Camarillo C, Guzman-Grenfell AM, Garcia-Macedo R, Rosales-Torres AM, Avalos-Rodriguez A, Duran-Reyes G, Medina-Navarro R, Cruz M, Diaz-Flores M, Kumate J. (2006) Hyperglycemia induces apoptosis and p53 mobilization to mitochondria in RINm5F cells. *Mol Cell Biochem*, 281, 163.
 36. Panzarini E, Tenuzzo B, Palazzo F, Chionna A, Dini L. (2006) Apoptosis induction and mitochondria alteration in human HeLa tumour cells by photoproducts of Rose Bengal acetate. *J Photochem Photobiol B*, 83, 39.

37. Quiniou C, Sennlaub F, Beauchamp MH, Checchin D, Lahaie I, Brault S, Gobeil F, Jr., Sirinyan M, Kooli A, Hardy P, Pshezhetsky A, Chemtob S. (2006) Dominant role for calpain in thromboxane-induced neuromicrovascular endothelial cytotoxicity. *J Pharmacol Exp Ther*, 316, 618.
38. Sarafian TA, Habib N, Oldham M, Seeram N, Lee RP, Lin L, Tashkin DP, Roth MD. (2006) Inhaled marijuana smoke disrupts mitochondrial energetics in pulmonary epithelial cells in vivo. *Am J Physiol Lung Cell Mol Physiol*, 290, L1202.
39. Sareen D, van Ginkel PR, Takach JC, Mohiuddin A, Darjatmoko SR, Albert DM, Polans AS. (2006) Mitochondria as the primary target of resveratrol-induced apoptosis in human retinoblastoma cells. *Invest Ophthalmol Vis Sci*, 47, 3708.
40. Sharov VG, Todor A, Khanal S, Imai M, Sabbah HN. (2006) Cyclosporine A attenuates mitochondrial permeability transition and improves mitochondrial respiratory function in cardiomyocytes isolated from dogs with heart failure. *J Mol Cell Cardiol*.
41. Szilagyi G, Simon L, Koska P, Telek G, Nagy Z. (2006) Visualization of mitochondrial membrane potential and reactive oxygen species via double staining. *Neurosci Lett*, 399, 206.
42. Tannin-Spitz T, Grossman S, Dovrat S, Gottlieb HE, Bergman M. (2006) Growth inhibitory activity of cucurbitacin glucosides isolated from *Citrullus colocynthis* on human breast cancer cells. *Biochem Pharmacol*.
43. Tarazona AM, Rodriguez JI, Restrepo LF, Olivera-Angel M. (2006) Mitochondrial activity, distribution and segregation in bovine oocytes and in embryos produced in vitro. *Reprod Domest Anim*, 41, 5.
44. Terhzaz S, Southall TD, Lilley KS, Kean L, Allan AK, Davies SA, Dow JA. (2006) Differential gel electrophoresis and transgenic mitochondrial calcium reporters demonstrate spatiotemporal filtering in calcium control of mitochondria. *J Biol Chem*, 281, 18849.
45. Tyagi N, Ovechkin AV, Lominadze D, Moshal KS, Tyagi SC. (2006) Mitochondrial mechanism of microvascular endothelial cells apoptosis in hyperhomocysteinemia. *J Cell Biochem*, 98, 1150.
46. Vanderlaag K, Samudio I, Burghardt R, Barhoumi R, Safe S. (2006) Inhibition of breast cancer cell growth and induction of cell death by 1,1-bis(3'-indolyl)methane (DIM) and 5,5'-dibromoDIM. *Cancer Lett*, 236, 198.
47. Viola G, Salvador A, Vedaldi D, Fortunato E, Disaro S, Basso G, Queiroz MJ. (2006) Induction of apoptosis by photoexcited tetracyclic compounds derivatives of benzo[b]thiophenes and pyridines. *J Photochem Photobiol B*, 82, 105.
48. Walker UA, Auclair M, Lebrecht D, Kornprobst M, Capeau J, Caron M. (2006) Uridine abrogates the adverse effects of antiretroviral pyrimidine analogues on adipose cell functions. *Antivir Ther*, 11, 25.
49. Wang T, Zeng YY, Xing FY, Liang PY, Liang ZD, He F. (2006) [Study on the mitochondrial inner membrane potential of apoptotic thymocytes at cell and organelle level]. *Fen Zi Xi Bao Sheng Wu Xue Bao*, 39, 132.
50. Wang XS, Yang W, Tao SJ, Li K, Li M, Dong JH, Wang MW. (2006) The effect of delta-elemene on Hela cell lines by apoptosis induction. *Yakugaku Zasshi*, 126, 979.
51. Wang Y, Perchellet EM, Ward MM, Lou K, Zhao H, Battina SK, Wiredu B, Hua DH, Perchellet JP. (2006) Antitumor triptycene analogs induce a rapid collapse of mitochondrial transmembrane potential in HL-60 cells and isolated mitochondria. *Int J Oncol*, 28, 161.
52. Zhang WH, Fu SB, Lu FH, Wu B, Gong DM, Pan ZW, Lv YJ, Zhao YJ, Li QF, Wang R, Yang BF, Xu CQ. (2006) Involvement of calcium-sensing receptor in ischemia/reperfusion-induced apoptosis in rat cardiomyocytes. *Biochem Biophys Res Commun*, 347, 872.
53. Zheng GJ, Zhang WG, Zhu QJ. (2006) [Effect of maixinkang capsule on Ca²⁺ and mitochondrial membrane potential in liver cells of ApoE(-/-) mice]. *Zhongguo Zhong Xi Yi Jie He Za Zhi*, 26, 427.

54. Zunino SJ, Storms DH. (2006) Resveratrol-induced apoptosis is enhanced in acute lymphoblastic leukemia cells by modulation of the mitochondrial permeability transition pore. *Cancer Lett*, 240, 123.
55. Martinez-Pastor F, Johannisson A, Gil J, Kaabi M, Anel L, Paz P, Rodriguez-Martinez H. (2004) Use of chromatin stability assay, mitochondrial stain JC-1, and fluorometric assessment of plasma membrane to evaluate frozen-thawed ram semen. *Anim Reprod Sci*, 84, 121.
56. Nunez R, Murphy TF, Huang HF, Barton BE. (2004) Use of SYBR14, 7-amino-actinomycin D, and JC-1 in assessing sperm damage from rats with spinal cord injury. *Cytometry A*, 61, 56.
57. Simeonova E, Garstka M, Koziol-Lipinska J, Mostowska A. (2004) Monitoring the mitochondrial transmembrane potential with the JC-1 fluorochrome in programmed cell death during mesophyll leaf senescence. *Protoplasma*, 223, 143.
58. Zuliani T, Duval R, Jayat C, Schnebert S, Andre P, Dumas M, Ratinaud MH. (2003) Sensitive and reliable JC-1 and TOTO-3 double staining to assess mitochondrial transmembrane potential and plasma membrane integrity: interest for cell death investigations. *Cytometry A*, 54, 100.
59. Bernas T, Dobrucki J. (2002) Mitochondrial and nonmitochondrial reduction of MTT: interaction of MTT with TMRE, JC-1, and NAO mitochondrial fluorescent probes. *Cytometry*, 47, 236.
60. Legrand O, Perrot JY, Simonin G, Baudard M, Marie JP. (2001) JC-1: a very sensitive fluorescent probe to test Pgp activity in adult acute myeloid leukemia. *Blood*, 97, 502.
61. Gravance CG, Garner DL, Baumber J, Ball BA. (2000) Assessment of equine sperm mitochondrial function using JC-1. *Theriogenology*, 53, 1691.
62. Chanda B, Mathew MK. (1999) Functional reconstitution of bacterially expressed human potassium channels in proteoliposomes: membrane potential measurements with JC-1 to assay ion channel activity. *Biochim Biophys Acta*, 1416, 92.
63. Garner DL, Thomas CA. (1999) Organelle-specific probe JC-1 identifies membrane potential differences in the mitochondrial function of bovine sperm. *Mol Reprod Dev*, 53, 222.
64. Kuhnel JM, Perrot JY, Faussat AM, Marie JP, Schwaller MA. (1997) Functional assay of multidrug resistant cells using JC-1, a carbocyanine fluorescent probe. *Leukemia*, 11, 1147.
65. Salvioli S, Ardizzoni 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.
66. Reers M, Smiley ST, Mottola-Hartshorn C, Chen A, Lin M, Chen LB. (1995) Mitochondrial membrane potential monitored by JC-1 dye. *Methods Enzymol*, 260, 406.
67. Cossarizza A, Baccarani-Contri M, Kalashnikova G, Franceschi C. (1993) A new method for the cytofluorimetric analysis of mitochondrial membrane potential using the J-aggregate forming lipophilic cation 5,5',6,6'-tetrachloro-1,1',3,3'-tetraethylbenzimidazolcarbocyanine iodide (JC-1). *Biochem Biophys Res Commun*, 197, 40.
68. Smiley ST, Reers M, Mottola-Hartshorn C, Lin M, Chen A, Smith TW, Steele GD, Jr., Chen LB. (1991) Intracellular heterogeneity in mitochondrial membrane potentials revealed by a J-aggregate-forming lipophilic cation JC-1. *Proc Natl Acad Sci U S A*, 88, 3671.