

References for Product 21259

1. Du J, Lu J. (2006) Flow injection chemiluminescence determination of isoniazid using the lucigenin-periodate system. *Luminescence*, 21, 26.
2. Baker MA, Krutskikh A, Curry BJ, Hetherington L, Aitken RJ. (2005) Identification of cytochrome-b5 reductase as the enzyme responsible for NADH-dependent lucigenin chemiluminescence in human spermatozoa. *Biol Reprod*, 73, 334.
3. Maeda M. (2004) [Chemiluminescent assay for biological substances--chemiluminescent assay for alkaline phosphatase using lucigenin and its application to enzyme immunoassay]. *Rinsho Byori*, 52, 851.
4. HyrsI P, Lojek A, Ciz M, Kubala L. (2004) Chemiluminescence of lucigenin is dependent on experimental conditions. *Luminescence*, 19, 61.
5. Baker MA, Krutskikh A, Curry BJ, McLaughlin EA, Aitken RJ. (2004) Identification of cytochrome P450-reductase as the enzyme responsible for NADPH-dependent lucigenin and tetrazolium salt reduction in rat epididymal sperm preparations. *Biol Reprod*, 71, 307.
6. Pavelkova M, Kubala L. (2004) Luminol-, isoluminol- and lucigenin-enhanced chemiluminescence of rat blood phagocytes stimulated with different activators. *Luminescence*, 19, 37.
7. Qi H, Zhang C. (2004) Electrogenerated chemiluminescence reaction of lucigenin with isatin at a platinum electrode. *Luminescence*, 19, 21.
8. Yurkov IS, Kruglov AG, Evtodienko YV, Yaguzhinsky LS. (2003) Mechanism of superoxide anion generation in intact mitochondria in the presence of lucigenin and cyanide. *Biochemistry (Mosc)*, 68, 1349.
9. Kervinen M, Patsi J, Finel M, Hassinen IE. (2004) Lucigenin and coelenterazine as superoxide probes in mitochondrial and bacterial membranes. *Anal Biochem*, 324, 45.
10. Kabeya LM, Kanashiro A, Azzolini AE, Soriani FM, Lopes JL, Lucisano-Valim YM. (2002) Inhibitory effect of eight simple coumarins on the lucigenin enhanced chemiluminescence of rabbit neutrophils. *Res Commun Mol Pathol Pharmacol*, 111, 103.
11. Shchepetkin IA, Akhmedzhanov RR, Kagiia VT. (2003) [Effect of azole derivatives on lucigenin-dependent microsome chemiluminescence]. *Biomed Khim*, 49, 278.
12. Kitagawa RR, Raddi MS, Khalil NM, Vilegas W, da Fonseca LM. (2003) Effect of the isocoumarin paepalantine on the luminol and lucigenin amplified chemiluminescence of rat neutrophils. *Biol Pharm Bull*, 26, 905.
13. Myhre O, Andersen JM, Aarnes H, Fonnum F. (2003) Evaluation of the probes 2',7'-dichlorofluorescein diacetate, luminol, and lucigenin as indicators of reactive species formation. *Biochem Pharmacol*, 65, 1575.
14. Van Dyke K, Patel S, Vallyathan V. (2003) Lucigenin chemiluminescence assay as an adjunctive tool for assessment of various stages of inflammation: a study of quiescent inflammatory cells. *J Biosci*, 28, 115.
15. Okajima T, Ohsaka T. (2003) Chemiluminescence of lucigenin by electrogenerated superoxide ions in aqueous solutions. *Luminescence*, 18, 49.
16. Kruglov AG, Yurkov IS, Teplova VV, Evtodienko YV. (2002) Lucigenin-derived chemiluminescence in intact isolated mitochondria. *Biochemistry (Mosc)*, 67, 1262.
17. Lenaerts I, Braeckman BP, Matthijssens F, Vanfleteren JR. (2002) A high-throughput microtiter plate assay for superoxide dismutase based on lucigenin chemiluminescence. *Anal Biochem*, 311, 90.
18. Zhang C, Qi H. (2002) Highly sensitive determination of riboflavin based on the enhanced electrogenerated chemiluminescence of lucigenin at a platinum electrode in a neutral aqueous solution. *Anal Sci*, 18, 819.
19. Wu HL, Li WY, He XW, Miao K, Liang H. (2002) Spectral studies of the binding of lucigenin, a bisacridinium derivative, with double-helix DNA. *Anal Bioanal Chem*, 373, 163.
20. Caldefie-Chezet F, Walrand S, Moinard C, Tridon A, Chassagne J, Vasson MP. (2002) Is the neutrophil reactive oxygen species production measured by luminol and lucigenin

- chemiluminescence intra or extracellular? Comparison with DCFH-DA flow cytometry and cytochrome c reduction. *Clin Chim Acta*, 319, 9.
21. Janiszewski M, Souza HP, Liu X, Pedro MA, Zweier JL, Laurindo FR. (2002) Overestimation of NADH-driven vascular oxidase activity due to lucigenin artifacts. *Free Radic Biol Med*, 32, 446.
 22. Kokado A, Arakawa H, Maeda M. (2002) Chemiluminescent assay of alkaline phosphatase using dihydroxyacetone phosphate as substrate detected with lucigenin. *Luminescence*, 17, 5.
 23. Afanas'ev IB. (2001) Lucigenin chemiluminescence assay for superoxide detection. *Circ Res*, 89, E46.
 24. Kamidate T, Kaide T, Tani H, Makino E, Shibata T. (2001) Effect of mixing modes on chemiluminescent detection of epinephrine with lucigenin by an FIA system fabricated on a microchip. *Anal Sci*, 17, 951.
 25. Kamidate T, Kaide T, Tani H, Makino E, Shibata T. (2001) Effect of the geometry of microfabricated flow reactors on chemiluminescent detection of epinephrine with lucigenin. *Luminescence*, 16, 337.
 26. Afanas'ev IB, Ostrakhovitch EA, Mikhal'chik EV, Korkina LG. (2001) Direct enzymatic reduction of lucigenin decreases lucigenin-amplified chemiluminescence produced by superoxide ion. *Luminescence*, 16, 305.
 27. Bai Z, Harvey LM, McNeil B. (2001) Use of the chemiluminescent probe lucigenin to monitor the production of the superoxide anion radical in a recombinant *Aspergillus niger* (B1-D). *Biotechnol Bioeng*, 75, 204.
 28. Al-Hashimi AH, Ettinger KV. (2001) Lucigenin chemiluminescence. A new approach to study the redox activity of Ehrlich ascetic tumor cells. *Saudi Med J*, 22, 164.
 29. Ochsendorf FR, Goy C, Fuchs J, Morke W, Beschmann HA, Bromme HJ. (2001) Lucigenin chemiluminescence in human seminal plasma. *Free Radic Res*, 34, 153.
 30. Barbacanne MA, Souchard JP, Darblade B, Iliou JP, Nepveu F, Pipy B, Bayard F, Arnal JF. (2000) Detection of superoxide anion released extracellularly by endothelial cells using cytochrome c reduction, ESR, fluorescence and lucigenin-enhanced chemiluminescence techniques. *Free Radic Biol Med*, 29, 388.
 31. Wissing F, Smith JA. (2000) Vacuolar chloride transport in *Mesembryanthemum crystallinum* L. measured using the fluorescent dye lucigenin. *J Membr Biol*, 177, 199.
 32. Sohn HY, Keller M, Gloe T, Crause P, Pohl U. (2000) Pitfalls of using lucigenin in endothelial cells: implications for NAD(P)H dependent superoxide formation. *Free Radic Res*, 32, 265.
 33. Katsuragi H, Takahashi K, Suzuki H, Maeda M. (2000) Chemiluminescent measurement of peroxidase activity and its application using a lucigenin CT-complex. *Luminescence*, 15, 1.
 34. Schepetkin IA. (1999) Lucigenin luminescence elicited by microsomes and its modulation by nitroazole compounds. *IUBMB Life*, 48, 499.
 35. Spasojevic I, Liochev SI, Fridovich I. (2000) Lucigenin: redox potential in aqueous media and redox cycling with O₂(-2) production. *Arch Biochem Biophys*, 373, 447.