

## **References for Products 15200 to 15202**

1. Zielonka J, Sarna T, Roberts JE, Wishart JF, Kalyanaraman B. (2006) Pulse radiolysis and steady-state analyses of the reaction between hydroethidine and superoxide and other oxidants. *Arch Biochem Biophys*.
2. Burnaugh L, Sabeur K, Ball BA. (2006) Generation of superoxide anion by equine spermatozoa as detected by dihydroethidium. *Theriogenology*.
3. Fernandes DC, Wosniak J, Pescatore LA, Bertoline MA, Liberman M, Laurindo F, Santos CX. (2006) Analysis of dihydroethidium-derived oxidation products by HPLC in the assessment of superoxide production and NADPH oxidase activity in vascular systems. *Am J Physiol Cell Physiol*.
4. Zielonka J, Vasquez-Vivar J, Kalyanaraman B. (2006) The confounding effects of light, sonication, and Mn(III)TBAP on quantitation of superoxide using hydroethidine. *Free Radic Biol Med*, 41, 1050.
5. Zielonka J, Zhao H, Xu Y, Kalyanaraman B. (2005) Mechanistic similarities between oxidation of hydroethidine by Fremy's salt and superoxide: stopped-flow optical and EPR studies. *Free Radic Biol Med*, 39, 853.
6. Zhao H, Joseph J, Fales HM, Sokoloski EA, Levine RL, Vasquez-Vivar J, Kalyanaraman B. (2005) Detection and characterization of the product of hydroethidine and intracellular superoxide by HPLC and limitations of fluorescence. *Proc Natl Acad Sci U S A*, 102, 5727.
7. Patsoukis N, Papapostolou I, Georgiou CD. (2005) Interference of non-specific peroxidases in the fluorescence detection of superoxide radical by hydroethidine oxidation: a new assay for H<sub>2</sub>O<sub>2</sub>. *Anal Bioanal Chem*, 381, 1065.
8. Papapostolou I, Patsoukis N, Georgiou CD. (2004) The fluorescence detection of superoxide radical using hydroethidine could be complicated by the presence of heme proteins. *Anal Biochem*, 332, 290.
9. Fink B, Laude K, McCann L, Doughan A, Harrison DG, Dikalov S. (2004) Detection of intracellular superoxide formation in endothelial cells and intact tissues using dihydroethidium and an HPLC-based assay. *Am J Physiol Cell Physiol*, 287, C895.
10. Jouin H, Daher W, Khalife J, Ricard I, Puijalon OM, Capron M, Dive D. (2004) Double staining of *Plasmodium falciparum* nucleic acids with hydroethidine and thiazole orange for cell cycle stage analysis by flow cytometry. *Cytometry A*, 57, 34.
11. Yu F, Sugawara T, Chan PH. (2003) Treatment with dihydroethidium reduces infarct size after transient focal cerebral ischemia in mice. *Brain Res*, 978, 223.
12. Zhao H, Kalivendi S, Zhang H, Joseph J, Nithipatikom K, Vasquez-Vivar J, Kalyanaraman B. (2003) Superoxide reacts with hydroethidine but forms a fluorescent product that is distinctly different from ethidium: potential implications in intracellular fluorescence detection of superoxide. *Free Radic Biol Med*, 34, 1359.
13. Fridovich I. (2003) Editorial commentary on "Superoxide reacts with hydroethidine but forms a fluorescent product that is distinctly different from ethidium: potential implications in intracellular fluorescence detection of superoxide" by H. Zhao et al. *Free Radic Biol Med*, 34, 1357.
14. Peterson SL, Morrow D, Liu S, Liu KJ. (2002) Hydroethidine detection of superoxide production during the lithium-pilocarpine model of status epilepticus. *Epilepsy Res*, 49, 226.
15. Benov L, Szejnberg L, Fridovich I. (1998) Critical evaluation of the use of hydroethidine as a measure of superoxide anion radical. *Free Radic Biol Med*, 25, 826.
16. Budd SL, Castilho RF, Nicholls DG. (1997) Mitochondrial membrane potential and hydroethidine-monitored superoxide generation in cultured cerebellar granule cells. *FEBS Lett*, 415, 21.
17. Bindokas VP, Jordan J, Lee CC, Miller RJ. (1996) Superoxide production in rat hippocampal neurons: selective imaging with hydroethidine. *J Neurosci*, 16, 1324.

18. van der Heyde HC, Elloso MM, vande Waa J, Schell K, Weidanz WP. (1995) Use of hydroethidine and flow cytometry to assess the effects of leukocytes on the malarial parasite *Plasmodium falciparum*. *Clin Diagn Lab Immunol*, 2, 417.
19. Suzuki H, Swei A, Zweifach BW, Schmid-Schonbein GW. (1995) In vivo evidence for microvascular oxidative stress in spontaneously hypertensive rats. *Hydroethidine microfluorography*. *Hypertension*, 25, 1083.
20. Biziukin AV, Korkina LG, Velichkovskii BT. (1995) [Comparative use of 2,7-dichlorofluorescein diacetate, dihydrorhodamine 123, and hydroethidine for studying oxidative metabolism of phagocytosing cells]. *Biull Eksp Biol Med*, 119, 361.
21. Endl E, Steinbach P, Hofstadter F. (1995) Flow cytometric analysis of cell suspensions exposed to shock waves in the presence of the radical sensitive dye hydroethidine. *Ultrasound Med Biol*, 21, 569.
22. Biziukin AV, Korkina LG. (1994) [Use of the fluorescent indicator hydroethidine to study the oxidative metabolism of phagocytes]. *Klin Lab Diagn*, 41.
23. Rothe G, Valet G. (1990) Flow cytometric analysis of respiratory burst activity in phagocytes with hydroethidine and 2',7'-dichlorofluorescein. *J Leukoc Biol*, 47, 440.
24. Olive PL. (1989) Hydroethidine: a fluorescent redox probe for locating hypoxic cells in spheroids and murine tumours. *Br J Cancer*, 60, 332.
25. Bucana C, Saiki I, Nayar R. (1986) Uptake and accumulation of the vital dye hydroethidine in neoplastic cells. *J Histochem Cytochem*, 34, 1109.