

References for Products 10055 and 10056

1. Hill MH, Bradley A, Mushtaq S, Williams EA, Powers HJ. (2009) Effects of methodological variation on assessment of riboflavin status using the erythrocyte glutathione reductase activation coefficient assay. *Br J Nutr*, 102, 273.
2. Yi L, Li H, Sun L, Liu L, Zhang C, Xi Z. (2009) A highly sensitive fluorescence probe for fast thiol-quantification assay of glutathione reductase. *Angew Chem Int Ed Engl*, 48, 4034.
3. Lea WA, Jadhav A, Rai G, Sayed AA, Cass CL, Inglese J, Williams DL, Austin CP, Simeonov A. (2008) A 1,536-well-based kinetic HTS assay for inhibitors of *Schistosoma mansoni* thioredoxin glutathione reductase. *Assay Drug Dev Technol*, 6, 551.
4. Ullmann K, Wiencierz AM, Muller C, Thierbach R, Steege A, Toyokuni S, Steinberg P. (2008) A high-throughput reporter gene assay to prove the ability of natural compounds to modulate glutathione peroxidase, superoxide dismutase and catalase gene promoters in V79 cells. *Free Radic Res*, 42, 746.
5. Blanchette BN, Singh BR. (2007) A high pressure liquid chromatography-based assay for glutathione-S-transferase class distinction assay. *J Biochem Biophys Methods*, 70, 761.
6. Gao GL, Wan HY, Zou XS, Chen WX, Chen YQ, Huang XZ. (2007) [Relationship between the expression of P-glycoprotein, glutathione S-transferase-pi and thymidylate synthase proteins and adenosine triphosphate tumor chemosensitivity assay in cervical cancer]. *Zhonghua Fu Chan Ke Za Zhi*, 42, 201.
7. Lavigne V, Pons A, Dubourdin D. (2007) Assay of glutathione in must and wines using capillary electrophoresis and laser-induced fluorescence detection. Changes in concentration in dry white wines during alcoholic fermentation and aging. *J Chromatogr A*, 1139, 130.
8. Piggott AM, Karuso P. (2007) Fluorometric assay for the determination of glutathione reductase activity. *Anal Chem*, 79, 8769.
9. Bouligand J, Deroussent A, Paci A, Morizet J, Vassal G. (2006) Liquid chromatography-tandem mass spectrometry assay of reduced and oxidized glutathione and main precursors in mice liver. *J Chromatogr B Analyt Technol Biomed Life Sci*, 832, 67.
10. Del Corso A, Cappiello M, Buono F, Moschini R, Paolicchi A, Mura U. (2006) Colorimetric coupled enzyme assay for gamma-glutamyltransferase activity using glutathione as substrate. *J Biochem Biophys Methods*, 67, 123.
11. Martinez-Alfaro M, Palma-Tirado L, Sandoval-Zapata F, Carabez-Trejo A. (2006) Correlation between formamidopyrimidine DNA glycosylase (Fpg)-sensitive sites determined by a comet assay, increased MDA, and decreased glutathione during long exposure to thinner inhalation. *Toxicol Lett*, 163, 198.
12. Rahman I, Kode A, Biswas SK. (2006) Assay for quantitative determination of glutathione and glutathione disulfide levels using enzymatic recycling method. *Nat Protoc*, 1, 3159.
13. Enayati AA, Lengeler C, Erlanger T, Hemingway J. (2005) Field evaluation of a recombinant glutathione S-transferase-based pyrethroid quantification assay. *Trans R Soc Trop Med Hyg*, 99, 369.
14. Wang L, Xia T, Bian G, Dong L, Tang Z, Wang F. (2005) A highly sensitive assay for spectrofluorimetric determination of reduced glutathione using organic nano-probes. *Spectrochim Acta A Mol Biomol Spectrosc*, 61, 2533.
15. Greetham D, Morgan C, Campbell AM, van Rossum AJ, Barrett J, Brophy PM. (2004) Evidence of glutathione transferase complexing and signaling in the model nematode *Caenorhabditis elegans* using a pull-down proteomic assay. *Proteomics*, 4, 1989.
16. Soglia JR, Harriman SP, Zhao S, Barberia J, Cole MJ, Boyd JG, Contillo LG. (2004) The development of a higher throughput reactive intermediate screening assay incorporating micro-bore liquid chromatography-micro-electrospray ionization-tandem mass spectrometry and glutathione ethyl ester as an in vitro conjugating agent. *J Pharm Biomed Anal*, 36, 105.

17. Guan X, Hoffman B, Dwivedi C, Matthees DP. (2003) A simultaneous liquid chromatography/mass spectrometric assay of glutathione, cysteine, homocysteine and their disulfides in biological samples. *J Pharm Biomed Anal*, 31, 251.
18. Schechtman D, Mochly-Rosen D, Ron D. (2003) Glutathione S-transferase pull-down assay. *Methods Mol Biol*, 233, 345.
19. Abukhalaf IK, Silvestrov NA, Menter JM, von Deutsch DA, Bayorh MA, Socci RR, Ganafa AA. (2002) High performance liquid chromatographic assay for the quantitation of total glutathione in plasma. *J Pharm Biomed Anal*, 28, 637.
20. Allameh A, Alikhani N. (2002) Acetaminophen-glutathione conjugate formation in a coupled cytochrome P-450-glutathione S-transferase assay system mediated by subcellular preparations from adult and weanling rat tissues. *Toxicol In Vitro*, 16, 637.
21. Catterall F, King LJ, Ioannides C. (2002) Mutagenic activity of the glutathione S-transferase substrate 1-chloro-2,4-dinitrobenzene (CDNB) in the *Salmonella* mutagenicity assay. *Mutat Res*, 520, 119.
22. Hiraku Y, Murata M, Kawanishi S. (2002) Determination of intracellular glutathione and thiols by high performance liquid chromatography with a gold electrode at the femtomole level: comparison with a spectroscopic assay. *Biochim Biophys Acta*, 1570, 47.
23. Nauen R, Stumpf N. (2002) Fluorometric microplate assay to measure glutathione S-transferase activity in insects and mites using monochlorobimane. *Anal Biochem*, 303, 194.
24. t Hoen PA, Rosema BS, Commandeur JN, Vermeulen NP, Manoharan M, van Berkel TJ, Biessen EA, Bijsterbosch MK. (2002) Selection of effective antisense oligodeoxynucleotides with a green fluorescent protein-based assay. Discovery of selective and potent inhibitors of glutathione S-transferase Mu expression. *Eur J Biochem*, 269, 2574.
25. Volohonsky G, Tuby CN, Porat N, Wellman-Rousseau M, Visvikis A, Leroy P, Rashi S, Steinberg P, Stark AA. (2002) A spectrophotometric assay of gamma-glutamylcysteine synthetase and glutathione synthetase in crude extracts from tissues and cultured mammalian cells. *Chem Biol Interact*, 140, 49.
26. Dajani LK, Paus E, Warren DJ. (2001) Development of a rapid and sensitive immunofluorometric assay for glutathione S-transferase A. *Clin Chem*, 47, 867.
27. Norris RL, Eaglesham GK, Shaw GR, Smith MJ, Chiswell RK, Seawright AA, Moore MR. (2001) A sensitive and specific assay for glutathione with potential application to glutathione disulphide, using high-performance liquid chromatography-tandem mass spectrometry. *J Chromatogr B Biomed Sci Appl*, 762, 17.
28. Spallholz JE, Shriver BJ, Reid TW. (2001) Dimethylselenide and methylseleninic acid generate superoxide in an in vitro chemiluminescence assay in the presence of glutathione: implications for the anticarcinogenic activity of L-selenomethionine and L-Se-methylselenocysteine. *Nutr Cancer*, 40, 34.
29. (2000) A high-performance liquid chromatographic assay for reduced and oxidized glutathione in human erythrocytes. *Chem Phys Lipids*, 105, 115.
30. Jin W, Dong Q, Ye X, Yu D. (2000) Assay of glutathione in individual mouse peritoneal macrophages by capillary zone electrophoresis with electrochemical detection. *Anal Biochem*, 285, 255.
31. Raj HG, Parmar VS, Jain SC, Kohli E, Ahmad N, Goel S, Tyagi YK, Sharma SK, Wengel J, Olsen CE. (2000) Mechanism of biochemical action of substituted 4-methylbenzopyran-2-ones. Part 7: Assay and characterization of 7,8-diacetoxy-4-methylcoumarin:protein transacetylase from rat liver microsomes based on the irreversible inhibition of cytosolic glutathione S-transferase. *Bioorg Med Chem*, 8, 1707.
32. Anderson MT, Trudell JR, Voehringer DW, Tjioe IM, Herzenberg LA. (1999) An improved monobromobimane assay for glutathione utilizing tris-(2-carboxyethyl)phosphine as the reductant. *Anal Biochem*, 272, 107.
33. Chaudiere J, Aguini N, Yadan JC. (1999) Nonenzymatic colorimetric assay of glutathione in the presence of other mercaptans. *Methods Enzymol*, 299, 276.

34. Noctor G, Foyer CH. (1998) Simultaneous measurement of foliar glutathione, gamma-glutamylcysteine, and amino acids by high-performance liquid chromatography: comparison with two other assay methods for glutathione. *Anal Biochem*, 264, 98.
35. Ohkuwa T, Sato Y, Naoi M. (1998) Novel assay for glutathione reductase activity by high-performance liquid chromatography with electrochemical detection. *J Chromatogr B Biomed Sci Appl*, 705, 23.
36. Pastore A, Massoud R, Motti C, Lo Russo A, Fucci G, Cortese C, Federici G. (1998) Fully automated assay for total homocysteine, cysteine, cysteinylglycine, glutathione, cysteamine, and 2-mercaptopropionylglycine in plasma and urine. *Clin Chem*, 44, 825.
37. Romero FJ, Mueller-Klieser W. (1998) Semiquantitative bioluminescent assay of glutathione. *J Biolumin Chemilumin*, 13, 263.
38. Thomas S, Lowe JE, Hadjivassiliou V, Knowles RG, Green IC, Green MH. (1998) Use of the Comet assay to investigate the role of superoxide in glutathione-induced DNA damage. *Biochem Biophys Res Commun*, 243, 241.
39. Forkert PG, Collins KS, Dowsley TF, Ross GM. (1997) Immunochemical assay for recognition of 2-S-glutathionyl acetate, a glutathione conjugate derived from 1,1-dichloroethylene-epoxide. *J Pharmacol Exp Ther*, 281, 1422.
40. Gumuslu S, Serteser M, Aydin M, Yucel G. (1997) A chemiluminescence assay detecting the antioxidative effects of glutathione and uric acid on erythrocytes and hemolysates exposed to t-butyl hydroperoxide. *J Basic Clin Physiol Pharmacol*, 8, 45.
41. Nordhoff A, Tziatzios C, van den Broek JA, Schott MK, Kalbitzer HR, Becker K, Schubert D, Schirmer RH. (1997) Denaturation and reactivation of dimeric human glutathione reductase--an assay for folding inhibitors. *Eur J Biochem*, 245, 273.
42. Graves RJ, Green T. (1996) Mouse liver glutathione S-transferase mediated metabolism of methylene chloride to a mutagen in the CHO/HPRT assay. *Mutat Res*, 367, 143.
43. Norman HA, Pillai P. (1996) High-performance liquid chromatographic resolution of NADP+ after induction of fluorescence and its application to assay for an NADPH-dependent enzyme: application to the determination of glutathione reductase activity in plant leaf extracts. *Anal Biochem*, 237, 30.
44. Pulaski L, Bartosz G. (1996) An electron spin resonance assay of glutathione S-conjugate transport. *J Biochem Biophys Methods*, 33, 65.
45. Schmidt M, Grey M, Brendel M. (1996) A microbiological assay for the quantitative determination of glutathione. *Biotechniques*, 21, 881.
46. Tiainen P, Puustinen A, Rosenberg PH, Karhi KK. (1996) Enzyme immunoassay and time-resolved immunofluorometric assay for glutathione transferase alpha compared. *Clin Chem*, 42, 334.
47. Bao Y, Chambers SJ, Williamson G. (1995) Direct separation of hydroperoxy- and hydroxy-phosphatidylcholine derivatives: application to the assay of phospholipid hydroperoxide glutathione peroxidase. *Anal Biochem*, 224, 395.
48. Belsten JL, Wright AJ. (1995) European Community--FLAIR common assay for whole-blood glutathione peroxidase (GSH-Px); results of an inter-laboratory trial. *Eur J Clin Nutr*, 49, 921.
49. Coates A, Tripp E. (1995) Comparison of two fluorochromes for flow cytometric assay of cellular glutathione content in human malignant melanoma. *Melanoma Res*, 5, 107.
50. Eady JJ, Orta T, Dennis MF, Stratford MR, Peacock JH. (1995) Glutathione determination by the Tietze enzymatic recycling assay and its relationship to cellular radiation response. *Br J Cancer*, 72, 1089.
51. Feller SM, Knudsen B, Wong TW, Hanafusa H. (1995) Detection of SH3-binding proteins in total cell lysates with glutathione S-transferase-SH3 fusion proteins: SH3 blot assay. *Methods Enzymol*, 255, 369.
52. Kozhemiakin LA, Bulavin DV, Morozov VI, Osipov EV, Zolotarev DV. (1995) [Effectiveness of the glutathione s-transferase assay in diagnosing lung cancer]. *Vopr Onkol*, 41, 33.
53. Lash LH. (1995) Intracellular distribution of thiols and disulfides: assay of mitochondrial glutathione transport. *Methods Enzymol*, 252, 14.

54. Rees GW, Trull AK, Doyle S. (1995) Evaluation of an enzyme-immunometric assay for serum alpha-glutathione S-transferase. *Ann Clin Biochem*, 32 (Pt 6), 575.
55. Vina J, Sastre J, Asensi M, Packer L. (1995) Assay of blood glutathione oxidation during physical exercise. *Methods Enzymol*, 251, 237.
56. Yamamoto Y, Takekoshi Y, Itami N, Honjo T, Kojima H, Yano S, Takahashi H, Saito I, Takahashi K. (1995) Enzyme-linked immunosorbent assay for extracellular glutathione peroxidase in serum of normal individuals and patients with renal failure on hemodialysis. *Clin Chim Acta*, 236, 93.
57. Yan CC, Huxtable RJ. (1995) Fluorimetric determination of monobromobimane and o-phthalaldehyde adducts of gamma-glutamylcysteine and glutathione: application to assay of gamma-glutamylcysteinyl synthetase activity and glutathione concentration in liver. *J Chromatogr Biomed Appl*, 672, 217.
58. Berger SJ, Gosky D, Zborowska E, Willson JK, Berger NA. (1994) Sensitive enzymatic cycling assay for glutathione: measurements of glutathione content and its modulation by buthionine sulfoximine in vivo and in vitro in human colon cancer. *Cancer Res*, 54, 4077.
59. Tiainen P, Karhi KK. (1994) Ultrasensitive time-resolved immunofluorometric assay of glutathione transferase alpha in serum. *Clin Chem*, 40, 184.
60. Vandepitte C, Guizon I, Genestie-Denis I, Vannier B, Lorenzon G. (1994) A microtiter plate assay for total glutathione and glutathione disulfide contents in cultured/isolated cells: performance study of a new miniaturized protocol. *Cell Biol Toxicol*, 10, 415.
61. Jayatilleke E, Shaw S. (1993) A high-performance liquid chromatographic assay for reduced and oxidized glutathione in biological samples. *Anal Biochem*, 214, 452.
62. Leroy P, Nicolas A, Thioudellet C, Oster T, Wellman M, Siest G. (1993) Rapid liquid chromatographic assay of glutathione in cultured cells. *Biomed Chromatogr*, 7, 86.
63. Sexton DJ, Dimmock JR, Mutus B. (1993) A spectrophotometric glutathione S-transferase assay displaying alpha-class selectivity utilizing 1-p-chlorophenyl-4,4-dimethyl-5-diethylamino-1-penten-3-one hydrobromide. *Biochem Cell Biol*, 71, 98.
64. Tsuda H, Matsumoto K, Ogino H, Ito M, Hirono I, Nagao M, Sato K, Cabral R, Bartsch H. (1993) Demonstration of initiation potential of carcinogens by induction of preneoplastic glutathione S-transferase P-form-positive liver cell foci: possible in vivo assay system for environmental carcinogens. *Jpn J Cancer Res*, 84, 230.
65. Coutelle C, Iron A, Higueret D, Cassaigne A. (1992) [Optimization of a spectrophotometry assay of total and oxidized blood glutathione: comparison with a fluorimetric method]. *Ann Biol Clin (Paris)*, 50, 71.
66. Pascual P, Martinez-Lara E, Barcena JA, Lopez-Barea J, Toribio F. (1992) Direct assay of glutathione peroxidase activity using high-performance capillary electrophoresis. *J Chromatogr*, 581, 49.
67. Rabin DU, Palmer-Crocker R, Mierz DV, Yeung KK. (1992) An ELISA sandwich capture assay for recombinant fusion proteins containing glutathione-S-transferase. *J Immunol Methods*, 156, 101.
68. Lee FY, Flannery DJ, Siemann DW. (1991) Prediction of tumour sensitivity to 4-hydroperoxycyclophosphamide by a glutathione-targeted assay. *Br J Cancer*, 63, 217.
69. Saito N, Yamanaka H, Nagasawa S. (1991) A novel HPLC method for glutathione-insulin transhydrogenase assay using fluorescence labeled insulin. *J Vet Med Sci*, 53, 1.
70. Allen KG, Huang CJ, Morin CL. (1990) Determination of picomole quantities of hydroperoxides by a coupled glutathione peroxidase and glutathione disulfide specific glutathione reductase assay. *Anal Biochem*, 186, 108.
71. Baker MA, Cerniglia GJ, Zaman A. (1990) Microtiter plate assay for the measurement of glutathione and glutathione disulfide in large numbers of biological samples. *Anal Biochem*, 190, 360.
72. Brogdon WG, Barber AM. (1990) Microplate assay of glutathione s-transferase activity for resistance detection in single-mosquito triturates. *Comp Biochem Physiol B*, 96, 339.
73. Davern KM, Tiu WU, Samaras N, Gearing DP, Hall BE, Garcia EG, Mitchell GF. (1990) *Schistosoma japonicum*: monoclonal antibodies to the Mr 26,000 schistosome glutathione S-transferase (Sj26) in an assay for circulating antigen in infected individuals. *Exp Parasitol*, 70, 293.

74. Nardi G, Cipollaro M, Loguerio C. (1990) Assay of gamma-glutamylcysteine synthetase and glutathione synthetase in erythrocytes by high-performance liquid chromatography with fluorimetric detection. *J Chromatogr*, 530, 122.
75. (1989) Recommended methods for an additional red cell enzyme (pyrimidine 5'-nucleotidase) assay and the determination of red cell adenosine-5'-triphosphate, 2,3-diphosphoglycerate and reduced glutathione. International Committee for Standardization in Haematology. *Clin Lab Haematol*, 11, 131.
76. Asamoto M, Tsuda H, Kagawa M, de Camargo JL, Ito N, Nagase S. (1989) Strain differences in susceptibility to 2-acetylaminofluorene and phenobarbital promotion of rat hepatocarcinogenesis in a medium-term assay system: quantitation of glutathione S-transferase P-positive foci development. *Jpn J Cancer Res*, 80, 939.
77. Cribb AE, Leeder JS, Spielberg SP. (1989) Use of a microplate reader in an assay of glutathione reductase using 5,5'-dithiobis(2-nitrobenzoic acid). *Anal Biochem*, 183, 195.
78. Lauren DJ, Halarnkar PP, Hammcock BD, Hinton DE. (1989) Microsomal and cytosolic epoxide hydrolase and glutathione S-transferase activities in the gill, liver, and kidney of the rainbow trout, *Salmo gairdneri*. Baseline levels and optimization of assay conditions. *Biochem Pharmacol*, 38, 881.
79. Romert L, Dock L, Jenssen D, Jernstrom B. (1989) Effects of glutathione transferase activity on benzo[a]pyrene 7,8-dihydrodiol metabolism and mutagenesis studied in a mammalian cell co-cultivation assay. *Carcinogenesis*, 10, 1701.
80. Carro-Ciampi G, Hunt PG, Turner CJ, Wells PG. (1988) A high-performance liquid chromatographic assay for reduced and oxidised glutathione in embryonic, neonatal, and adult tissues using a porous graphite electrochemical detector. *J Pharmacol Methods*, 19, 75.
81. Clerc D, Abella A, Bauer D, Baret A, Lindenbaum A, Bisson M, Leluc R, Massias P. (1988) [Assay of erythrocyte, platelet and serum superoxide dismutase, glutathione peroxidase and catalase in rheumatoid polyarthritis]. *Rev Rhum Mal Osteoartic*, 55, 15.
82. Jacobson B, Quigley G, Lockitch G. (1988) Adaptation of glutathione peroxidase assay to the Technicon RA-1000. *Clin Chem*, 34, 2164.
83. Smith IK, Vierheller TL, Thorne CA. (1988) Assay of glutathione reductase in crude tissue homogenates using 5,5'-dithiobis(2-nitrobenzoic acid). *Anal Biochem*, 175, 408.
84. Allen KG, Arthur JR. (1987) Inhibition by 5-sulphosalicylic acid of the glutathione reductase recycling assay for glutathione analysis. *Clin Chim Acta*, 162, 237.
85. Jorgensen KV, Clayton JW, Price RL. (1987) Evaluation of aflatoxin B1 mutagenesis: addition of glutathione and glutathione-S-transferase to the *Salmonella* mutagenicity assay. *Environ Mutagen*, 9, 411.
86. Recio L, Hsie AW. (1987) Modulation of the cytotoxicity and mutagenicity of benzo[a]pyrene and benzo[a]pyrene 7,8-diol by glutathione and glutathione S-transferases in mammalian cells (CHO/HGPRT assay). *Mutat Res*, 178, 257.
87. Beutler E, Gelbart T. (1986) Improved assay of the enzymes of glutathione synthesis: gamma-glutamylcysteine synthetase and glutathione synthetase. *Clin Chim Acta*, 158, 115.
88. Dennda G, Kula MR. (1986) Assay of the glutathione-synthesizing enzymes by high-performance liquid chromatography. *Biotechnol Appl Biochem*, 8, 459.
89. Llobell A, Fernandez VM, Lopez-Barea J. (1986) Electron transfer between reduced methyl viologen and oxidized glutathione: a new assay of *Saccharomyces cerevisiae* glutathione reductase. *Arch Biochem Biophys*, 250, 373.
90. Sacchetta P, Di Cola D, Federici G. (1986) Alkaline hydrolysis of N-ethylmaleimide allows a rapid assay of glutathione disulfide in biological samples. *Anal Biochem*, 154, 205.
91. Hukkelhoven MW, van Pelt FN, Dijkstra AC, Vermorken AJ. (1985) A highly sensitive assay for glutathione transferase using 4,5-dihydro-epoxybenzo(a)pyrene as substrate. *Biochem Pharmacol*, 34, 703.
92. Ogiso T, Tatematsu M, Tamano S, Tsuda H, Ito N. (1985) Comparative effects of carcinogens on the induction of placental glutathione S-transferase-positive liver nodules in a short-term assay and of hepatocellular carcinomas in a long-term assay. *Toxicol Pathol*, 13, 257.

93. Taylor CA, Varandani PT. (1985) Localization of glutathione-insulin transhydrogenase (protein-disulfide interchange enzyme) in pancreas using immunocytochemistry, immunodiffusion, and enzymatic activity assay techniques. *Eur J Cell Biol*, 39, 97.
94. Davies MH, Birt DF, Schnell RC. (1984) Direct enzymatic assay for reduced and oxidized glutathione. *J Pharmacol Methods*, 12, 191.
95. Mokrasch LC, Teschke EJ. (1984) Glutathione content of cultured cells and rodent brain regions: a specific fluorometric assay. *Anal Biochem*, 140, 506.
96. Nakano T, Kawai S, Nagatsu T. (1984) A simple assay for monoamine oxidase using glutathione peroxidase and glutathione reductase. *Jpn J Pharmacol*, 35, 163.
97. Roth EF, Jr., Gilbert HS. (1984) The pyrogallol assay for superoxide dismutase: absence of a glutathione artifact. *Anal Biochem*, 137, 50.
98. Watabe T, Hiratsuka A, Ishikawa K, Isobe M, Ozawa N. (1984) 7-Glycidoxycoumarin (GOC): a fluorophotometric epoxide substrate for the assay of glutathione S-transferase activity. *Biochem Pharmacol*, 33, 1839.
99. Asaoka K, Takahashi K. (1983) A colorimetric assay of glutathione S-transferases using o-dinitrobenzene as a substrate. *J Biochem*, 94, 1685.
100. Hulbert PB, Yakubu SI. (1983) Monobromobimane: a substrate for the fluorimetric assay of glutathione transferase. *J Pharm Pharmacol*, 35, 384.
101. Brown DL, Jr., Boda W, Stone MP, Buckpitt AR. (1982) High-performance liquid chromatographic assay of cytosolic glutathione S-transferase activity with styrene oxide. *J Chromatogr*, 231, 265.
102. Akerboom TP, Sies H. (1981) Assay of glutathione, glutathione disulfide, and glutathione mixed disulfides in biological samples. *Methods Enzymol*, 77, 373.
103. Asaoka K, Takahashi K. (1981) An enzymatic assay of reduced glutathione using glutathione S-aryltransferase with o-dinitrobenzene as a substrate. *J Biochem*, 90, 1237.
104. Carmagnol F, Sinet PM, Rapin J, Jerome H. (1981) Glutathione-S-transferase of human red blood cells; assay, values in normal subjects and in two pathological circumstances: hyperbilirubinemia and impaired renal function. *Clin Chim Acta*, 117, 209.
105. Malaveille C, Brun G, Hautefeuille A, Bartsch H. (1981) Effect of glutathione and uridine 5'-diphosphoglucuronic acid on mutagenesis by benzo[a]pyrene and aflatoxin B1 in the Salmonella/microsome assay. *Mutat Res*, 83, 15.
106. Malaveille C, Brun G, Hautefeuille A, Bartsch H. (1980) Effect of glutathione and uridine 5'-diphosphoglucuronic acid on benzo(a)pyrene mutagenesis in the Salmonella/microsome assay. *Dev Toxicol Environ Sci*, 8, 175.
107. Pacifici GM, Boobis AR, Brodie MJ, Davies DS. (1979) A rapid sensitive assay for glutathione S-epoxidetransferase activity: species differences in the activity of the hepatic enzyme [proceedings]. *Biochem Soc Trans*, 7, 1060.
108. Van Cantfort J, Manil L, Gielen JE, Glatt HR, Oesch F. (1979) A new assay for glutathione S-transferase using [³H]-benzo(a)pyrene 4,5-oxide as substrate. Inducibility by various chemicals in different rat tissues compared to that of aryl hydrocarbon hydroxylase and epoxide hydratase. *Biochem Pharmacol*, 28, 455.
109. Zakowski JJ, Tappel AL. (1978) A semiautomated system for measurement of glutathione in the assay of glutathione peroxidase. *Anal Biochem*, 89, 430.
110. Beutler E, West C. (1977) Comment concerning a fluorometric assay for glutathione. *Anal Biochem*, 81, 458.
111. Tabor CW, Tabor H. (1977) An automated ion-exchange assay for glutathione. *Anal Biochem*, 78, 543.
112. Brehe JE, Burch HB. (1976) Enzymatic assay for glutathione. *Anal Biochem*, 74, 189.
113. Elce JS, Broxmeyer B. (1976) Gamma-glutamyltransferase of rat kidney. Simultaneous assay of the hydrolysis and transfer reactions with (glutamate-14C)glutathione. *Biochem J*, 153, 223.
114. Garry PJ, Owen GM. (1976) An automated flavin adenine dinucleotide-dependent glutathione reductase assay for assessing riboflavin nutriture. *Am J Clin Nutr*, 29, 663.
115. Ibbetson AL, Freedman RB. (1976) Thiol-protein disulphide oxidoreductases. Assay of microsomal membrane-bound glutathione-insulin transhydrogenase and comparison with protein disulphide-isomerase. *Biochem J*, 159, 377.

116. Chandler ML, Varandani PT. (1975) Insulin degradation. XV. Use of different assay methods for the study of mechanism of action of glutathione-insulin transhydrogenase. *Biochim Biophys Acta*, 397, 307.
117. Marniemi J, Parkki MG. (1975) Radiochemical assay of glutathione S-epoxide transferase and its enhancement by phenobarbital in rat liver in vivo. *Biochem Pharmacol*, 24, 1569.
118. Nemoto N, Gelboin H. (1975) Assay and properties of glutathione-S-benzo(a)pyrene-4,5-oxide transferase. *Arch Biochem Biophys*, 170, 739.
119. Wendel A, Gumboldt G, Hahn R. (1975) [Assay and normal levels of L-glutamate-L-cysteine-gamma-ligase (E.C. 6.3.2.2) in human erythrocytes; biosynthesis of glutathione V]. *Z Klin Chem Klin Biochem*, 13, 157.
120. Hadley WM, Bousquet WF, Miya TS. (1974) Modified fluorescence assay for oxidized and reduced glutathione in tissue. *J Pharm Sci*, 63, 57.
121. Hayakawa T, Lemahieu RA, Udenfriend S. (1974) Studies on glutathione-S-arene oxidase transferase. A sensitive assay and partial purification of the enzyme from sheep liver. *Arch Biochem Biophys*, 162, 223.
122. Nichoalds GE. (1974) Assessment of status riboflavin nutriture by assay of erythrocyte glutathione reductase activity. *Clin Chem*, 20, 624.
123. Uotila L. (1973) Preparation and assay of glutathione thiol esters. Survey of human liver glutathione thiol esterases. *Biochemistry*, 12, 3938.
124. Sauberlich HE, Judd JH, Jr., Nichoalds GE, Broquist HP, Darby WJ. (1972) Application of the erythrocyte glutathione reductase assay in evaluating riboflavin nutritional status in a high school student population. *Am J Clin Nutr*, 25, 756.
125. Klein P, Robbins E. (1970) An ultrasensitive assay for soluble sulfhydryl and its application to the study of glutathione levels during the HeLa life cycle. *J Cell Biol*, 46, 165.
126. Thurnham DI, Migasena P, Pavapootanon N. (1970) The ultramicro red-cell glutathione reductase assay for riboflavin status: its use in field studies in Thailand. *Mikrochim Acta*, 988.
127. Eriksson B, Tabova R. (1968) On the assay for glutathione in acid solution. *Anal Biochem*, 24, 350.
128. Cohn VH, Lyle J. (1966) A fluorometric assay for glutathione. *Anal Biochem*, 14, 434.
129. Goldstein J, Combes B. (1966) Spectrophotometric assay of the liver enzyme that catalyzes sulfobromophthalein-glutathione conjugation. *J Lab Clin Med*, 67, 863.
130. Johnson MK. (1966) Preparation of deproteinised tissue extracts for chromatography and assay of compounds related to glutathione. *J Chromatogr*, 23, 474.
131. Kapoor RC, Doughty G, Gorin G. (1965) The Reaction and Assay of Glutathione with Hg²⁺ and Alkali. *Biochim Biophys Acta*, 100, 376.
132. Lenhoff HM. (1961) Activation of the feeding reflex in *Hydra littoralis*. I. Role played by reduced glutathione and quantitative assay of the feeding reflex. *J Gen Physiol*, 45, 331.