

Publication Citations

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Dyes

Chromeon Dyes

Chameleon Dyes

B.K. Hoefelschweiger, A. Duerkop and O. S. Wolfbeis. „Novel type of general protein assay using a chromogenic and fluorogenic amine-reactive probe.” (2005) *Analytical Biochem.* Vol. No. 344. pp. 122-129.

B. K. Wetzel, L. Pfeiffer and O. S. Wolfbeis. „Screening Scheme Based on Measurement of Fluorescence Lifetime in the Nanosecond Domain.“ *J. Biological Screening in press*

B. K. Wetzel, S.M. Yarmoluk, D.B. Craig and O. S. Wolfbeis. “Chameleon labels for Staining and Quantifying Proteins .” (2004) *Angew. Chemie Int. Ed.* Vol. No. 43. pp. 5400-5402.

D. B. Craig, B. K. Wetzel, A. Duerkop and O. S. Wolfbeis. „Determination of picomolar concentrations of proteins using novel amino reactive chameleon labels and capillary electrophoresis laser-induced fluorescence detection.” (2005). *Electrophoresis* Vol. No. 26. pp. 2208-2213.

Ruthenium Dyes

E. Terpetschnig, H. Szmecinski, H. Malak and J.R. Lakowicz. “Metal-ligand complexes as a new class of long lived fluorophores for protein hydrodynamics.” (1995) *Biophys. J.* Vol No. 68 pp.342-350.

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A. Dürkop, F. Lehmann and O.S. Wolfbeis. „Polarization immunoassays using reactive ruthenium metal ligand complexes as labels.” (2002) *Anal. Bioanal. Chemistry* Vol No. 372. pp. 688-694.

L. Li, H. Szmecinski and J.R. Lakowicz. "Synthesis and luminescence spectral characterization of long-lifetime lipid metal-ligand probes." (1997) Anal. Biochem. Vol. No. 244. pp. 80-85.

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C. M. Augustin, B. Oswald and O. S. Wolfbeis. "Time-Resolved Luminescence Energy Transfer Immunobinding Study Using a Ruthenium-Ligand Complex as a Donor Label." (2002) Anal. Biochem. Vol. No.305. pp. 166-172.

F. N. Castellano, J.D. Dattelbaum and J.R. Lakowicz. „Longlifetime Ru(II) complexes as labeling reagents for sulfhydryl groups" (1998) Anal. Biochem. Vol. No. 255. pp. 165-170.

O.S. Wolfbeis, M. Böhmer, A. Dürkop, J. Enderlein, M. Gruber, I. Klimant, C. Krause, J. M. Kürner, G. Liebsch, Z. Lin, B. Oswald and M. Wu. „Advanced luminescent labels, probes, and beads, and their application to luminescence bioassay and imaging." (2002) In Fluorescence Spectroscopy, Imaging and Probes (Kraayenhof R., Visser A. J. W. G., Gerritsen H. C., Eds.), Springer-Verlag, Berlin. pp. 3-42.

Nanoparticles

Jens M. Krüger, Ingo Klimant, Christian Krause, Erika Pringsheim and Otto S. Wolfbeis. "A New Type of Phosphorescent Nanospheres for Use in Advanced Time-Resolved Multiplexed Bioassays." (2001) Analytical Biochemistry. Vol. No.297. pp. 32-41.

Inert Phosphorescent Nanospheres as Markers for Optical Assays, J. M. Kürner, I. Klimant, Ch. Krause, H. Preu, W. Kunz, O. S. Wolfbeis, Bioconj. Chem, 12(6), 883-889 (2001).

Agents

Albumin Blue

Wei-Lung Tseng, Tai-Chia Chiu, Jang-Mao Weng, Huan-Tsung Chang. "Analysis of Albumins, using Albumin Blue 580, by Capillary Electrophoresis and laser-induced Fluorescence." (2001) Journal of Liquid Chromatography & Related Technologies, Vol. 24 (19). pp. 2971-2982.

M.A. Kessler, A. Meinitzer and O.S. Wolfbeis. „Albumin Blue 580 Fluorescence Assay for Albumin ." (1997) Anal. Biochem. Vol. No. 248. pp. 180-182.

M.A. Kessler, A. Meinitzer, W. Petek and O.S. Wolfbeis. „Microalbuminuria and Borderline-Increase Albumin Excretion Determined with a Centrifugal Analyzer and by the Albumin 580 Fluorescence Assay." (1997) Clinical Chemistry Vol. No.43. pp. 996-1002.

M.A. Kessler, A. Meinitzer, W. Petek and O.S. Wolfbeis. „Microplate Fluorescence Assay for Determination of Micro-Albuminuria.” (1996) Eur. Clin. Lab. Feb. 20;

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Meng Wu, Zhihong Lin and Otto S. Wolfbeis. “ Determination of the activity of catalase using a europium(III)-tetracycline-derived fluorescent substrate.” (2003) Analytical Biochemistry. Vol. No. 320. pp 129-135.

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