

Patents (10) and Patent Applications (2)

7,745,219: Reagent composition for the analysis of residual white blood cells in leukoreduced blood banking products

7,670,798: Automated method and reagent therefor assaying body fluid samples such as cerebrospinal fluid (CSF)

6,524,858: Single channel, single dilution detection method for the identification and quantification of blood cells and platelets in a whole blood sample using an automated hematology analyzer

6,521,729: Monodisperse fluorinecontaining synthetic polymer particles having a defined refractive index for use as standards and calibrators in flow cytometry

6,114,173: Fully automated method and reagent composition therefor for rapid identification and characterization of reticulocytes erythrocytes and platelets in whole blood

6,074,879: Synthetic polymer particles for use as standards and calibrators in flow cytometry

6,025,201: Highly sensitive, accurate, and precise automated method and device for identifying and quantifying platelets and for determining platelet activation state using whole blood samples

5,817,519: Automated method and device for identifying and quantifying platelets and for determining platelet activation state using whole blood samples

4,677,298: Method of monitoring inkwater balance on a lithographic printing press

4,631,408: Method of simultaneously determining gauge and orientation of polymer films

Application Number: 15585900: System and method for distinguishing blood components (5/3/2017)

EP 1500932 A1: A lysing reagent for the analysis and enumeration of residual white blood cells in leukocyte-reduced blood banking products suitable for the use in an automated clinical analyzer

Publications

Nontraditional applications in clinical pathology. Authors: Holly L Jordan, Niraj K Tripathi, Anne Provencher Bolliger, Nancy Everds, David Zelmanovic, Florence Poitout, Denise I Bounous, Debra, Shashi K Ramaiah. Toxicol Pathol 2014 Oct 3;42(7)

Enumeration of nucleated red blood cells with the ADVIA 2120 Hematology System: an International Multicenter Clinical Trial. Authors: Alexander Kratz, Karim Maloum, Conor O'Malley, Gina Zini, David Zelmanovic, Gail Kling Lab Hematol 2006 ;12(2):63-70

Interpretation of changes in PDW and MPC instored-canine-blood) Authors: David Zelmanovic. Vet Clin Pathol 2006 Jun;35(2):140;

Prognostic relevance of large-platelet counts in patients with immune thrombocytopenic purpura. Authors: Marc Michel, Felix Kreidel, David Zelmanovic, James B Bussel *Haematologica* 2005 Dec; 90(12):1715-6 December 2005

Regarding: automated red blood cell differential analysis on a multi-angle scatter fluorescence hematology analyzer. Authors: Alan Burkhardt, David Zelmanovic, Jolanta Kunicka *Cytometry B Clin Cytom* 2004 Jul; 60(1):57-8;

A rapid, automated flow cytometric method to measure activated degranulated platelets by density determination. Authors: E Sabrinah Chapman, Martin Sorette, Edward Hetherington, David Zelmanovic, Gail Kling, Jacques Dugailliez, Nuria Pujol-Moix, David Okrongly *Thromb Haemost* 2003 Jun;89(6):1004-15

Evaluation of the anticoagulants EDTA and citrate, theophylline, adenosine, and dipyridamole (CTAD) for assessing platelet activation on the ADVIA 120 hematology system. Authors: Marion Macey, Urooj Azam, Desmond McCarthy, Lee Webb, E Sabrinah Chapman, David Okrongly, David Zelmanovic, Adrian Newland *Clin Chem* 2002 Jun;48(6 Pt 1):891-9

Automated analysis of feline platelets in whole blood including platelet count mean platelet volume. Authors: David Zelmanovic, Edward J. Hetherington *Vet Clin Pathol* 1998 ;27(1):2-9

M.G. Macey, E. Carty, L. Webb, E.S. Chapman, D. Zelmanovic, D. Okrongly, D.S. Rampton, and A.C. Newland. Use of Mean Platelet Component to Measure Platelet Activation on the ADVIA 120 Haematology System. *CYTOMETRY (Communications in Clinical Cytometry)* 38: 250-255 (1999).

E.S. Chapman, W. Groner, D. Zelmanovic, and R. Kanter. A Note on Specific Counting of Platelets Using Fluorescent Antibodies. *Clinical and Laboratory Haematology*, 18: 131, 1996.

Automated Differential Counts. David Zelmanovic, Jolanta Kunicka. *Encyclopedia of Medical Devices and Instrumentation*. 14 APR 2006

Reticulocyte Hemoglobin An Integrated Parameter for Evaluation of Erythropoietic Activity CARLO BRUGNARA, MD,1 DAVID ZELMANOVIC, PhD,2 MARTIN SORETTE,2 SAMIR K. BALLAS, MD,3 AND ORAH PLATT, MD1 *Am J Clin Pathol* 1997;108:133-142.

Mittman N, Sreedhara R, Mushnick R, Chattopadhyay J, Zelmanovic D, Vaseghi M, Avram MM: Reticulocyte hemoglobin content predicts functional iron deficiency in hemodialysis patients receiving rHuEPO. *Am J Kidney Dis* 30 : 912–922, 1997

Enumeration of nucleated red blood cells with the ADVIA 2120 Hematology System: an International Multicenter Clinical Trial. Kratz A , Maloum K , O'Malley C , Zini G , Rocco V , Zelmanovic D , Kling G , *Laboratory Hematology : Official Publication of the International Society for Laboratory Hematology* [01 Jan 2006, 12(2):63-70]

Automated Instrumentation, Hematology. David Zelmanovic, Roque A. Garcia, John Turrell Kirk-Othmer *Encyclopedia of Chemical Technology*. 4 DEC 2000

Kunicka JE, Fischer G, Murphy J, Zelmanovic D. Improved platelet counting using two-dimensional laser light scatter. *American Journal of Clinical Pathology* 2000; 114: 283-9.

Kunicka J, Malin M, Zelmanovic D, et al. Automated quantitation of hemoglobin-based blood substitutes in whole blood samples. *Am J Clin Pathol.* 2001;116:913-919.

Manual and automated leukocyte differentiation in bronchoalveolar lavage fluids from rodent models of pulmonary inflammation. Natiello, Michelle; Kelly, George; Lamca, James; Zelmanovic, David; Chapman, Richard W.; Phillips, Jonathan E. May 2009. *Comparative Clinical Pathology*; May 2009, Vol. 18 Issue 2, p101-111.

Abstracts

Marc Michel, Felix Kreidel, E. Sabrinah Chapman, David Zelmanovic, James B. Bussel. The number of large platelets but not the mean platelet volume (MPV) predicts the response to intravenous immunoglobulins (IVIG) and to anti-D in patients with immune thrombocytopenic purpura (ITP). *BLOOD*, 102, No. 11, Abstract Number 4057:87b, 2003.

E. Sabrinah Chapman, Gail Kling, William Canfield, David Zelmanovic. Stability of Various Anticoagulated Whole Blood Specimens for use in Ex Vivo Platelet Activation Measurements. *BLOOD*, 94, No. 10, Abstract Number 3437:63b, 1999.

E. Sabrinah Chapman, Kenneth M. Lerea, Rita Kirk, Martin P. Sorette, Sanjay N. Smith, and David Zelmanovic. Monitoring In Vitro and Ex Vivo platelet activity: Comparison of alpha granule release, density distribution, platelet adhesion, and mean platelet component concentration (MPC). *BLOOD*, 92, No. 10, Abstract Number 3273:68b, 1998.

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