iCE Publications

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Robustness of iCEF methodology for the analysis of monoclonal antibodies: An interlaboratory study
O Salas-Solano, B Kennel, S Park, K Roby, Z Sosic, B Boumajny, S Free, A Reed-Bogan, D Michels, W McElroy, P Bonasia, M Hong, X He, M Ruesch, F Moffatt and S Kiessig.

Applications of imaged capillary isoelectric focusing technique in development of biopharmaceutical glycoprotein-based products
C Anderson, Y Wang and R Rustandi.
Electrophoresis, Jun 2012; 33:1538–44.

Determination of charge heterogeneity and level of unconjugated antibody by imaged cIEF
J Lin and A Lazar.

Development of imaged capillary isoelectric focusing (iCEF) method and use of capillary zone electrophoresis (CZE) in hepatitis b vaccine (RECOMBIVAX HB®)
R Rustandi, F Wang, C Hamm, J Cuciniello and M Marley.

Characterization of human papillomavirus by capillary isoelectric focusing with whole column imaging detection
C Zhou.

Isoelectric point determination of live polioviruses by capillary isoelectric focusing with whole column imaging detection
Y Thomassen, G van Eikenhorst, L van der Pol and W Bakker.
Rapid analysis of charge heterogeneity of monoclonal antibodies by capillary zone electrophoresis and imaged capillary isoelectric focusing
Y He, J Mo, X He and M Ruesch.

Characterization of therapeutic monoclonal antibodies reveals differences between in vitro and in vivo time-course studies
S Yin, C Pastuskovas, L Khawli and J Stults.

Compatibility and stability of pertuzumab and trastuzumab admixtures in i.v. infusion bags for coadministration
Z Glover, L Gennaro, S Yadav, B Demeule, P Wong and A Sreedhara.

Application of capillary electrophoresis in glycoprotein analysis
R Rustandi, C Anderson and M Hamm.

Analytical characterization of ch 14.18, a mouse-human chimeric disialoganglioside-specific therapeutic antibody
G Soman, A Kallarakal, D Michiel, X Yang, N Saptharish, H Jiang, S Giardina, J Gilly and G Mitra.
mAbs, Jan 2012; 4(1):84–100.

Imaged capillary isoelectric focusing for charge-variant analysis of biopharmaceuticals
D Michels, O Salas-Solano and C Felten.

Characterization of the basic charge variants of a human IgG1: Effect of copper concentration in cell culture media

Detection and identification of a serine to arginine sequence variant in a therapeutic monoclonal antibody
D Ren, J Zhang, R Pritchett, H Liu, J Kyauk, J Luo and A Amanullah.

Comparison of the ability of wild type and stabilized human IgG(4) to undergo Fab arm exchange with endogenous IgG(4) in vitro and in vivo
K Lewis, B Meengs, K Bondensgaard, L Chin, S Hughes, B Kjaer, S Lund and L Wang.

Analysis of charge heterogeneities in mAbs using imaged CE
X He, A Que and J Mo.
Optimization approaches in the routine analysis of monoclonal antibodies by capillary electrophoresis
O Salas-Solano, L Gennaro and C Felten.
LCGC Europe, Dec 2008; 21(12):615–622

Application of imaged capillary IEF for characterization and quantitative analysis of recombinant protein charge heterogeneity
Z Sosic, D Houde, A Blum, T Carlage and Y Lyubarskaya.
Electrophoresis, Nov 2008; 29(21):4368–4376

A study in glycation of a therapeutic recombinant humanized monoclonal antibody: Where it is, how it got there, and how it affects charge-based behavior
C Quan, E Alcala, I Petkovska, D Matthews, E Canova-Davis, R Taticzek and S Ma.
Anal Biochem, Feb 2008; 373(2):179–91

Analysis of glycosylated type II interleukin-1 receptor (IL-1R) by imaged capillary isoelectric focusing
M Han, A Guo, C Jocheim, Y Zhang, T Martinez, P Kodama, D Petit and A Balland.

Evaluation of the iCE280 Analyzer as a potential high throughput tool for formulation development
N Li, K Kessler, L Bass and D Zeng.

Element of a validation method for MU-B3 monoclonal antibody using an imaging capillary isoelectric focusing system
G Janini, N Saptharishi, M Waselus and G Soman.
Electrophoresis, Jun 2002; 23(11):1605–11

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