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Authors: Yan Li, Pavel N. Nesterenko, Roger Stanley, Brett

Paull, Mirek Macka

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Comparison of cation-exchange capillary columns used for ion chromatographic separation of biogenic amines

Yan Li¹, Pavel N. Nesterenko^{1, 3}, Roger Stanley², Brett Paull^{1, 3}, Mirek Macka^{1,4,5}*

1) School of Natural Sciences and Australian Centre for Research on Separation Science (ACROSS), University of Tasmania, Hobart 7001, Australia

2) Centre for Food Innovation, University of Tasmania, Locked Bag 1370, Launceston 7250, Australia

3) ARC Training Centre for Portable Analytical Separation Technologies (ASTech),
University of Tasmania, Private Bag 75, Hobart 7001, Australia

Department of Chemistry and Biochemistry, Mendel University in Brno, Zemedelska 1,
 CZ-613 00 Brno, Czech Republic

Central European Institute of Technology, Brno University of Technology, Purkynova
 123, CZ-612 00 Brno, Czech Republic Czech Republic

*Corresponding author

Professor Mirek Macka, Private Bag 75, School of Physical Sciences and Australian Centre

for Research on Separation Science, University of Tasmania, Hobart 7001, Australia

E-mail: Mirek.Macka@utas.edu.au

Phone: +61 362266670; Fax: +61 362262858

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Highlights

- Mixed mode effects greatly influenced cation-exchange separations
- Stronger retention on phosphonic groups as compared to carboxylic groups
- Analytes clustered according to presence of carboxylic acid group
- Study allows choice of conditions for the separation of complex mixture of analytes

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