COMMUNICATION [www.rsc.org/analyst](http://www.rsc.org/analyst) | The Analyst

Sequential affinity chromatography miniaturized within a ‘‘lab-on-valve’’ system

# Holger Erxlebena and Jaromir Ruzicka\*b

Received 21st January 2005, Accepted 25th February 2005

First published as an Advance Article on the web 3rd March 2005

DOI: 10.1039/b501039j

An automatically renewable microcolumn, subjected to opera- tion by programmable flow, is presented and for the first time used for separation and quantification of biomolecules on Sepharose Protein A beads, with absorbance measurement at 280 nm and a detection limit of 6 ng mouse IgG *m*L21.

This journal is © The Royal Society of Chemistry 2005 Analyst, 2005, 130, 469–471 | 471