

## Simultaneous separation of cations and anions in capillary electrophoresis – recent applications

### Datenbank

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### Deskriptoren

Kapillarelektrophorese; Separation; medizinische Diagnose; Wasseranalyse; pharmazeutische Analyse; Trennen (Verfahrenstechnik); Kation; Anion

CAPILLARY-CATAPHORESIS; SEPARATING; CLINICAL-DIAGNOSTICS; WATER-ANALYSIS; PHARMACEUTICAL-ANALYSIS; SEPARATING-METHOD; CATIONS; ANIONS

### Abstract

In this review, the simultaneous determination of anionic and cationic species in capillary electrophoresis for different applications such as water quality analysis, medical diagnosis, pharmaceutical analysis, forensic science and food control is discussed. The simplicity and electronic nature of capillary electrophoresis allow the easy modification of custom made set-ups in order to realise various techniques for the simultaneous separation of different ionic analytes. As a continuation of our earlier review, in which the details of the working principles were described, this report is focussed on the applications of the simultaneous electrokinetic separation methods reported during the last five years (2011–2015).

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### Quelle

Analytical Methods \* Band 8 (2016) Heft 7, Seite 1452-1456 (5 Seiten, 24 Quellen)

### Sprache

EN Englisch

### Dokumentart

J Zeitschrift  
ED Digital Object Identifier (DOI)

### Erscheinungsjahr

2016