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ABBREVIATIONS AND SYMBOLS

Abs	Absorbance
AU	Absorbance unit
CCD	Charge-coupled device
CE	Capillary electrophoresis
cm	Centimeter
COC	Cyclic olefin copolymer
CTC	Chlortetracycline
EOF	Electroosmotic flow
FIA	Flow injection analysis
h	Hour
i.d.	Internal diameter
IDTs	Inter digital transducers
L	Liter
LED	Light emitting diode
LOC	Lab-on-a-chip
LOD	Limit of detection
LOQ	Limit of quantitation
mg	Milligram
min	Minute
mL	Milliliter
mm	Millimeter
nm	Nanometer

PMT	photomultiplier tubes
o.d.	Outer diameter
PC	polycarbonate
PDMS	Poly(dimethylsiloxane)
PMMA	Polymethyl methacrylate
PTFE	Polytetrafluoroethylene
RSD	Relative standard deviation
SD	Standard deviation
s	Second
$\bar{x}$	Mean
XO	Xylenol orange
μFA	Micro flow analysis
μrFA	Micro reverse flow analysis
μL	Microlitre
μm	Micrometre