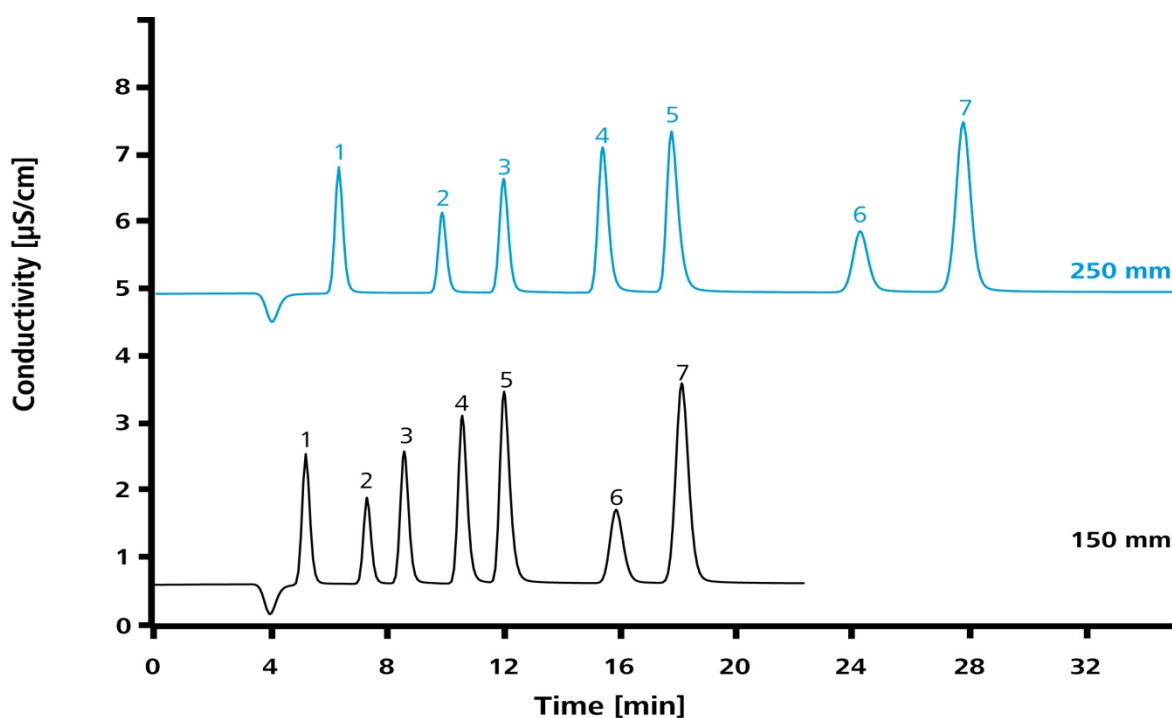


# Separation of seven standard anions on the microbore Metrosep A Supp 5 anion column



The microbore version of the Metrosep A Supp 5 is available in 150 and 250 mm length. The standard ions are separated within 20 and 29 minutes, respectively. Besides the good separation and short run time, the microbore column impresses with the very low eluent consumption.

## Results

Anion	Concentration [mg/L]	Anion	Concentration [mg/L]
1 Fluoride	2	5 Nitrate	10
2 Chloride	2	6 Phosphate	10
3 Nitrite	5	7 Sulfate	10
4 Bromide	10		

### Sample

Standard solution

### Sample preparation

None

### Columns

Metrosep A Supp 5 - 150/2.0	6.1006.220
Metrosep A Supp 5 - 250/2.0	6.1006.230
Metrosep A Supp 5 Guard/2.0	6.1006.600

### Solutions

Eluent	3.2 mmol/L sodium carbonate 1.0 mmol/L sodium hydrogen carbonate
Suppressor regenerant	100 mmol/L sulfuric acid
Rinsing solution	STREAM

### Analysis

Conductivity detection after sequential suppression

### Instrumentation

940 Professional IC Vario ONE/SeS/PP	2.940.1500
IC Conductivity Detector	2.850.9010
858 Professional Sample Processor	2.858.0020
MSM-LC Rotor A	6.2844.000
Adaptor sleeve Suppressor Vario	6.2842.020

### Parameters

Flow rate	0.18 mL/min
Injection volume	20 µL
P <sub>max</sub>	20 MPa
Recording time	34 min
Column temperature	30 °C

