

VertiSep™ Anion AX300

- Meets the Requirements of US EPA Methods 300.1, 300.0, and 317.0.
- Separates Common Inorganic Anions and Oxyhalide Anions
- New 5µm resin particle improves efficiency

VertiSep™ Anion AX300 column is packed with hydrophilic copolymer with Quaternary Ammonium functional groups providing symmetrical peak shapes for all anions by Suppressed IC.

VertiSep™ Anion AX300 column ideals for separation of 10 inorganic anions by suppressed IC using US EPA Method 300.1. The seven common anions (Fluoride, Chloride, Bromide, Nitrite, Nitrate, Sulfate, and Phosphate), Three Oxyhalide Anions (Chlorite, Chlorate, and Bromate), and Surrogate Analyte Anion (dichloroacetate) can be separated in one run.

VertiSep™ Anion AX300 column can also be used to determine inorganic anions in drinking water using US EPA Method 300.0 and trace bromate in drinking water using US EPA Method 317.0.

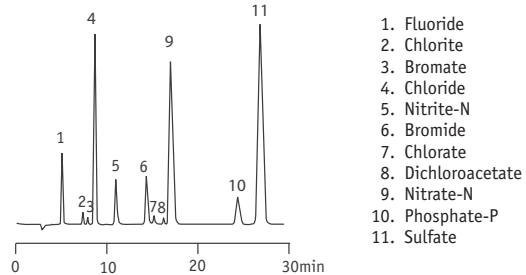
Specifications

Base material	Hydrophilic copolymer
Functional group	Quaternary Ammonium
Particle Size	5µm
Mobile phase limits	pH 3-12, 0-100% Organic modifier

Ordering Information

Description	QTY	Part No.
VertiSep™ Anion AX300 Columns		
4.6x250mm, PEEK	1	03R8-D522
VertiSep™ Anion AX300 Guards		
Guard Cartridge, 4.0x10mm, PEEK	2	03R8-D113
Guard Holder	1	0300-0001

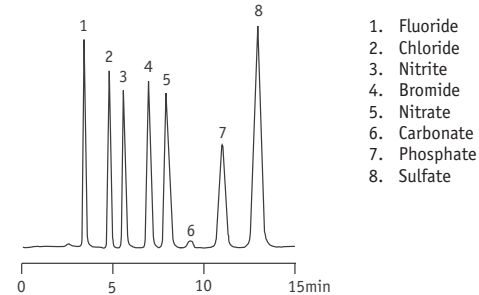
Anions by EPA Method 300.1



1. Fluoride
2. Chlorite
3. Bromate
4. Chloride
5. Nitrite-N
6. Bromide
7. Chlorate
8. Dichloroacetate
9. Nitrate-N
10. Phosphate-P
11. Sulfate

Column: VertiSep™ Anion AX300, 4.0x250mm
 Mobile Phase: 3.6mM Na₂CO₃
 Flow Rate: 0.8mL/min
 Temp: 45 °C
 Detection: Suppressed Conductivity

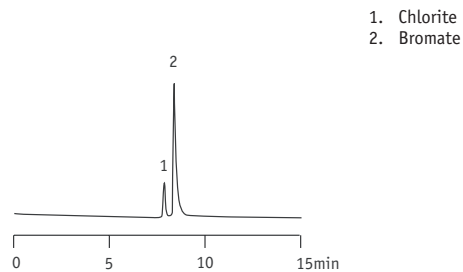
Anions Standards



1. Fluoride
2. Chloride
3. Nitrite
4. Bromide
5. Nitrate
6. Carbonate
7. Phosphate
8. Sulfate

Column: VertiSep™ Anion AX300, 4.0x250mm
 Mobile Phase: 1.7mM NaHCO₃/1.8mM Na₂CO₃
 Flow Rate: 1.0mL/min
 Detection: Suppressed Conductivity

Bromate by EPA Method 317.0



1. Chlorite
2. Bromate

Column: VertiSep™ Anion AX300, 4.0x250mm
 Mobile Phase: 3.6mM Na₂CO₃
 Flow Rate: 0.8mL/min
 Temp: 45 °C
 Detection: UV450nm