

VertiSep™ Anion AX1

- Provide symmetrical peak shapes for inorganic and organic anions by both Suppressed and Nonsuppressed IC
- Compatible with common mobile phases
- Separate Fluoride away from the water dip

VertiSep™ Anion AX1 column is packed with hydrophilic copolymer with quaternary ammonium functional group providing symmetrical peak shapes for inorganic and organic anions by both Suppressed and Nonsuppressed IC.

VertiSep™ Anion AX1 column is compatible with common mobile phases: p-hydroxybenzoate, sodium hydroxide, and Sodium Carbonate/bicarbonate. The p-hydroxybenzoate mobile phase is best used for bicarbonate and the seven common inorganic anions. Sodium hydroxide mobile phase is best used for weak acid anions such as Silicate, Borate, Sulfide, Cyanide, Formate, and Acetate.

VertiSep™ Anion AX1 column can separate Fluoride away from the water dip and is a good choice for Fluoride analysis.

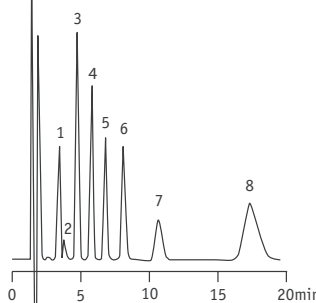
Specifications

Base material	Hydrophilic copolymer
Functional group	Quaternary Ammonium
Particle Size	5µm
Mobile phase limits	pH 2-10, 0-100% Organic modifier

Ordering Information

Description	QTY	Part No.
VertiSep™ Anion AX1 Columns		
4.6x100mm, PEEK	1	03R6-E322
4.6x150mm, PEEK	1	03R6-E422
4.6x250mm, PEEK	1	03R6-E522
VertiSep™ Anion AX1 Guards		
Guard Cartridge, 4.6x10mm, PEEK	2	03R6-E113
Guard Holder	1	0300-0001

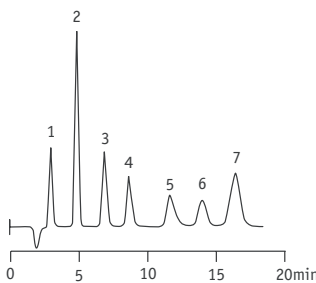
Anions with p-Hydroxybenzoic acid



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

Column: VertiSep™ Anion AX1, 4.6x150mm
 Mobile Phase: 4mM p-Hydroxybenzoic acid, pH 7.5, with LiOH
 Flow Rate: 1.0mL/min
 Temp: 35 °C
 Detection: Conductivity

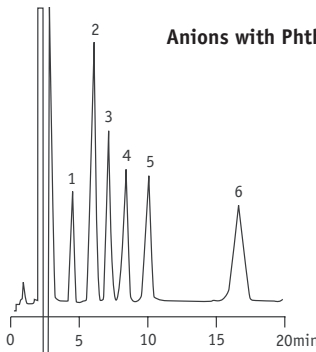
Anions By Suppressor



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

Column: VertiSep™ Anion AX1, 4.6x150mm
 Mobile Phase: 0.85mM NaHCO₃/0.9mM Na₂CO₃
 Flow Rate: 1.2mL/min
 Detection: Suppressed Conductivity

Anions with Phthalic acid



1. Fluoride
2. Chloride
3. Nitrite
4. Bromide
5. Nitrate
6. Sulfate

Column: VertiSep™ Anion AX1, 4.6x250mm
 Mobile Phase: 4mM Phthalic Acid, pH 4.2 with LiOH
 Flow Rate: 1.0mL/min
 Temp: 35 °C
 Detection: Conductivity