

SYKAM COLUMN SELECTION GUIDE FOR ION CHROMATOGRAPHY



Anion Exchange Columns

A01	Dimensions: 150 x 2.6 mm, Material: PEEK, Particle Size: 10 µm, Resin: Polystyrene-Divinylbenzene, Trimethyl Ammonium Art.-No.: S003586
	Pre-Column: AGC-01 (20 x 2.6 mm); Art.-No.: S004732
	Application: - Determination of Standard Inorganic Anions in Aqueous Samples Using Suppressed Conductivity Measurement
	Application – Note:
A02	Dimensions: 250 x 2.6 mm, Material: PEEK, Particle Size: 10 µm, Resin: Polystyrene-Divinylbenzene, Trimethyl Ammonium Art.-No.: S003796
	Pre-Column: AGC-01 (20 x 2.6 mm); Art.-No.: S004732
	Application: - Determination of Standard Inorganic Anions in Aqueous Samples Using Suppressed Conductivity Measurement - Determination of Standard Inorganic Anions in Industrial and Domestic Wastewater Using Suppressed Conductivity Measurement - Determination of Inorganic Anions in High Chloride Containing Samples (Optimized Resolution) Using Suppressed Conductivity Measurement - Determination of Sulfite in Drinking Water Using Suppressed Conductivity Measurement
	Application – Note:
A03	Dimensions: 200 x 2.6 mm, Material: PEEK, Particle Size: 15 µm, Resin: Polystyrene-Divinylbenzene, Trimethyl Ammonium Art.-No.: S005171
	Pre-Column: AGC-01 (20 x 2.6 mm); Art.-No.: S004732
	Application: - Determination of Standard Inorganic Anions in Aqueous Samples Using Suppressed Conductivity Measurement
	Application – Note:
A04	Dimensions: 250 x 4.0 mm, Material: PEEK, Particle Size: 5 µm, Resin: Polyvinyl Alcohol, Quaternary Ammonium Art.-No.: S004593
	Pre-Column: AGC-02 (10 x 4.6 mm); Art.-No.: S008037
	Application: - Determination of Standard Inorganic Anions in Aqueous Samples Using Suppressed Conductivity Measurement

A04	- Determination of Bromate in Drinking Water and Bottled Mineral Waters Using Suppressed Conductivity Measurement
	Application – Note:
A05	Dimensions: 250 x 4.0 mm, Material: PEEK, Particle Size: 5 µm, Resin: Polyvinyl Alcohol, Quaternary Ammonium Art.-No.: S006790
	Pre-Column: AGC-02 (10 x 4.6 mm); Art.-No.: S008037
	Application: <ul style="list-style-type: none"> - Determination of Standard Inorganic Anions in Aqueous Samples Using Suppressed Conductivity Measurement - Determination of Formate, Acetate, Glycolate, Oxalate and other Organic Acids together with Standard Anions Using Suppressed Conductivity Measurement - Determination of Chlorite and Bromate with Standard Inorganic Anions in Drinking and Bottled Mineral Waters Using Suppressed Conductivity Measurement - Determination of Standard Inorganic Anions in Industrial and Domestic Wastewater Using Suppressed Conductivity Measurement - Determination of Inorganic Anions in High Chloride Containing Samples (Optimized Resolution) Using Suppressed Conductivity Measurement
	Application – Note:
A06	Dimensions: 250 x 4.0 mm, Material: PEEK, Particle Size: 9 µm, Resin: Polyvinyl Alcohol, Quaternary Ammonium Art.-No.: S007270
	Pre-Column: AGC-03 (10 x 4.6 mm); Art.-No.: S008283
	Application: <ul style="list-style-type: none"> - Determination of Inorganic Anions in Drinking and Natural Waters Using Suppressed Conductivity Measurement - Determination of Standard Inorganic Anions and Iodide, Thiosulfate, Thiocyanate and Cr(VI) in Aqueous Samples Using Suppressed Conductivity Measurement - Determination of Phosphite and Hypophosphite in a Chloride-Sulfate-Oxalate Matrix Using Suppressed Conductivity Measurement
	Application – Note:
A07	Dimensions: 150 x 2.6 mm, Material: PEEK, Particle Size: 10 µm, Resin: Polystyrene-Divinylbenzene, Trimethyl ammonium Art.-No.: S010863
	Pre-Column: AGC-04 (20 x 2.6 mm); Art.-No.: S010973

A07	Application:	<ul style="list-style-type: none"> - Determination of Standard Inorganic Anions in Drinking and Natural Waters Using Suppressed Conductivity Measurement - Determination of Standard Inorganic Anions in Industrial and Domestic Wastewater Using Suppressed Conductivity Measurement - Determination of Sulfite in Drinking Water Using Suppressed Conductivity Measurement
	Application Note:	<p>AN01: Determination of Inorganic Anions in Drinking Water and Natural Waters by Ion Chromatography with Suppressed Conductivity Measurement</p> <p>AN03: Simultaneous Determination of Inorganic Anions and Cations in Drinking and Natural Waters by Ion Chromatography</p> <p>AN07: Determination of Inorganic Anions in Drinking and Natural Waters by Ion Chromatography Using Electrochemical Suppression</p> <p>AN09: Simultaneous Determination of Inorganic Anions and Cations in Drinking and Natural Waters by Ion Chromatography, Using Electrochemical Suppression</p>
A08	Dimensions: 125 x 2.6 mm, Material: PEEK, Particle Size: 10 µm, Resin: Polystyrene-Divinylbenzene, Trimethyl Ammonium Art.-No.: S011007	
	Pre-Column: AGC-04 (20 x 2.6 mm); Art.-No.: S010973	
	Application:	<ul style="list-style-type: none"> - Determination of Standard Inorganic Anions in Drinking and Natural Waters Using Suppressed Conductivity Measurement - Determination of Standard Inorganic Anions in Industrial and Domestic Wastewater Using Suppressed Conductivity Measurement
	Application Note:	<p>AN01: Determination of Inorganic Anions in Drinking Water and Natural Waters by Ion Chromatography with Suppressed Conductivity Measurement</p> <p>AN07: Determination of Inorganic Anions in Drinking and Natural Waters by Ion Chromatography Using Electrochemical Suppression</p>
A09	Dimensions: 75 x 2.6 mm, Material: PEEK, Particle Size: 5 µm, Resin: Polystyrene-Divinylbenzene, Trimethyl Ammonium Art.-No.: S011070	
	Pre-Column: AGC-05 (20 x 2.6 mm); Art.-No.: S011071	
	Application:	<ul style="list-style-type: none"> - Rapid Determination of Standard Inorganic Anions in Drinking and Natural Waters Using Suppressed Conductivity Measurement - Rapid Determination of Standard Inorganic Anions in Industrial and Domestic Wastewater Using Suppressed Conductivity Measurement

A09	<p>Application AN10: Rapid Simultaneous Determination of Inorganic Anions and Cations in Drinking and Natural Waters by Ion Chromatography, Using Electrochemical Suppression</p> <p>Note:</p>
A10	<p>Dimensions: 250 x 4.0 mm, Material: Stainless Steel, Particle Size: 9 µm, Resin: EVB-DVB, Hydrophilic WAX</p> <p>Art.-No.: S011252</p>
	<p>Pre-Column: AGC-06 (50 x 4.6 mm); Art.-No.: S011249</p>
	<p>Application:</p> <ul style="list-style-type: none"> - Determination of Standard Inorganic Anions in Aqueous Samples Using Suppressed Conductivity Measurement - Determination of the Disinfection Byproducts Chlorite, Bromate and Chlorate together with Standard Anions Using Suppressed Conductivity Measurement
	<p>Application AN12: Determination of Trace Concentrations of Disinfection Byproducts Bromate, Chlorite and Chlorate in Drinking Water and Bottled Mineral Waters by Ion Chromatography Using Electrochemical Suppression</p> <p>AU15: An Updated Method for the Determination of Trace Concentrations of Disinfection Byproducts Bromate, Chlorite and Chlorate in Drinking Water and Bottled Mineral Waters by Ion Chromatography Using Electrochemical Suppression</p>

Cation Exchange Columns

C01	<p>Dimensions: 125 x 4.6 mm, Material: Stainless Steel, Particle Size: 5 µm, Resin: Spherical Silica, Polybutadiene-Maleic Acid Coated</p> <p>Art.-No.: S004193</p>
	<p>Pre-Column: CGC-01 (20 x 3.0 mm); Art.-No.: S004741</p>
	<p>Application:</p> <ul style="list-style-type: none"> - Determination of Alkali Metals, Alkaline Earth Metals and Ammonium in Drinking and Natural Waters Using Direct Conductivity Measurement - Rapid Determination of Alkali Metals, Alkaline Earth Metals and Ammonium in Drinking and Natural Waters Using Direct Conductivity Measurement
	<p>Application –</p> <p>Note:</p>
C02	<p>Dimensions: 250 x 4.6 mm, Material: Stainless Steel, Particle Size: 5 µm, Resin: Spherical Silica, Polybutadiene-Maleic Acid Coated</p> <p>Art.-No.: S005349</p>
	<p>Pre-Column: CGC-01 (20 x 3.0 mm); Art.-No.: S004741</p>
	<p>Application: - Determination of Alkali Metals, Alkaline Earth Metals and Ammonium in Drinking and Natural Waters Using Direct Conductivity Measurement (Enhanced Resolution)</p>

C02	Application – Note:
C05	Dimensions: 250 x 8.0 mm, Material: Stainless Steel, Particle Size: 5 µm, Resin: Spherical Silica, Polybutadiene-Maleic Acid Coated; Art.-No.: S007000 <hr/> Pre-Column: CGC-05 (20 x 8.0 mm); Art.-No.: S011251 <hr/> Application: - Determination of Alkali Metals, Alkaline Earth Metals and Ammonium in Drinking and Natural Waters Using Direct Conductivity Measurement (Enhanced Resolution) - Determination of Ammonium in Presence of High Sodium Concentrations <hr/> Application Note: AN05: Determination of Inorganic Cations and Ammonium in Drinking and Natural Waters by Ion Chromatography Using Direct Conductivity Measurement
C06	Dimensions: 100 x 4.6 mm, Material: Stainless Steel, Particle Size: 7 µm, Resin: Polystyrene-Divinylbenzene, Weak Carboxylic Acid Grafted Art.-No.: S010182 <hr/> Pre-Column: CGC-06 (20 x 4.0 mm); Art.-No.: S011283 <hr/> Application: - Determination of Alkali Metals, Alkaline Earth Metals and Ammonium in Drinking and Natural Waters Using Suppressed Conductivity Measurement (Enhanced Resolution) <hr/> Application Note: AN09: Simultaneous Determination of Inorganic Anions and Cations in Drinking and Natural Waters by Ion Chromatography, Using Electrochemical Suppression AN11: Determination of Inorganic Cations and Ammonia in Drinking and Natural Waters by Ion Chromatography using Electrochemical Suppression
C07	Dimensions: 200 x 4.0 mm, Material: Stainless Steel, Particle Size: 7 µm, Resin: Polystyrene-Divinylbenzene, Weak Carboxylic Acid Grafted Art.-No.: S010183 <hr/> Pre-Column: CGC-07 (50 x 4.0 mm); Art.-No.: S011768 <hr/> Application: - Determination of Alkali Metals, Alkaline Earth Metals and Ammonium in Drinking and Natural Waters Using Direct Conductivity Measurement - Determination of Alkali Metals, Alkaline Earth Metals and Ammonium in Drinking and Natural Waters Using Suppressed Conductivity Measurement <hr/> Application Note: AN03: Simultaneous Determination of Inorganic Anions and Cations in Drinking and Natural Waters by Ion Chromatography AN05: Determination of Inorganic Cations and Ammonium in Drinking and Natural Waters by Ion Chromatography Using Direct Conductivity Measurement

C07	<p>AN11: Determination of Inorganic Cations and Ammonia in Drinking and Natural Waters by Ion Chromatography using Electrochemical Suppression</p> <p>AU14: An Improved Method for the Determination of Inorganic Cations and Ammonium in Drinking and Natural Waters by Ion Chromatography Using Direct Conductivity Measurement</p>
C08	<p>Dimensions: 250 x 2.6 mm, Material: PEEK, Particle Size: 7 µm, Resin: Polystyrene-Divinylbenzene, Weak Carboxylic Acid Grafted</p> <p>Art.-No.: S011248</p> <p>Pre-Column: CGC-04 (20 x 2.6 mm); Art.-No.: S011250</p> <p>Application: - Determination of Alkali Metals, Alkaline Earth Metals and Ammonium in Drinking and Natural Waters Using Suppressed Conductivity Measurement</p> <p>- Rapid Determination of Alkali Metals, Alkaline Earth Metals and Ammonium in Drinking and Natural Waters Using Suppressed Conductivity Measurement</p> <p>Application Note: AN10: Rapid Simultaneous Determination of Inorganic Anions and Cations in Drinking and Natural Waters by Ion Chromatography, Using Electrochemical Suppression</p>

Ion Exclusion Columns

IEX-01	<p>Dimensions: 300 x 8.0 mm, Material: Stainless Steel, Particle Size: 9 µm, Resin: Polystyrene-Divinylbenzene; Sulfonic Acid Grafted</p> <p>Art.-No.: S010022</p> <p>Application: - Determination of Organic Acids</p> <p>Application Note: –</p>
IEX-02	<p>Dimensions: 300 x 4.6 mm, Material: Stainless Steel, Particle Size: 9 µm, Resin: Polystyrene-Divinylbenzene; Sulfonic Acid Grafted</p> <p>Art.-No.: S011590</p> <p>Application: - Determination of Organic Acids</p> <p>Application Note: –</p>

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