

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
Application Note:	<p>AN04: Rapid Simultaneous Determination of Inorganic Anions and Cations in Drinking and Natural Waters by Ion Chromatography</p>	

A09	AN10: Rapid Simultaneous Determination of Inorganic Anions and Cations in Drinking and Natural Waters by Ion Chromatography, Using Electrochemical Suppression
A10	Dimensions: 250 x 4.0 mm, Material: Stainless Steel, Particle Size: 9 µm, Resin: EVB-DVB, Hydrophilic WAX Art.-No.: S011252
	Pre-Column: AGC-06 (50 x 4.6 mm); Art.-No.: S011249
	Application: - 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
	Application Note: 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 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

Cation Exchange Columns

C01	Dimensions: 125 x 4.6 mm, Material: Stainless Steel, Particle Size: 5 µm, Resin: Spherical Silica, Polybutadiene-Maleic Acid Coated Art.-No.: S004193
	Pre-Column: CGC-01 (20 x 3.0 mm); Art.-No.: S004741
	Application: - 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
	Application Note: AN04: Rapid Simultaneous Determination of Inorganic Anions and Cations in Drinking and Natural Waters by Ion Chromatography
C02	Dimensions: 250 x 4.6 mm, Material: Stainless Steel, Particle Size: 5 µm, Resin: Spherical Silica, Polybutadiene-Maleic Acid Coated Art.-No.: S005349
	Pre-Column: CGC-01 (20 x 3.0 mm); Art.-No.: S004741
	Application: - Determination of Alkali Metals, Alkaline Earth Metals and Ammonium in Drinking and Natural Waters Using Direct Conductivity Measurement (Enhanced Resolution)

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 –</p> <p>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 –</p> <p>Note:</p>

Sykam GmbH

Systeme & Komponenten Analytischer Messtechnik

Gewerbering 15
86922 Eresing
Germany

Tel.: +49 (8193) 93 82 - 0
Fax.: +49 (8193) 93 82 - 20
E-Mail: info@sykam.com
Web: <http://www.sykam.com>

Version 1.1 – August 2025

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