



IC standards and reagents

Easy and convenient IC reagent and standard preparation

Benefits

- Reduce reagent and standard preparation errors
- Improve day-to-day reproducibility
- Reduce downtime due to bad reagents

Keywords

Ion chromatography standards, anion standards, cation standards, oxyhalide standards, eluent concentrates, haloacetic acid standards, suppressor regenerant, ion-pairing reagents, transition metal reagents, chelation chromatography reagents

We offer a complete line of Thermo Scientific™ Dionex™ standards, reagents, and chemicals for ion chromatography applications. To simplify your chromatography, we have developed all the reagents and standards you need, including anion and cation standards, eluent concentrates, and suppressor regenerant concentrates. We also offer high-purity chemicals and reagents for transition metal analysis, including ultrapure chelation chromatography reagents for trace and ultratrace transition and lanthanide metal analysis.

- Only high-purity, reagent-grade chemicals and water (18 MΩ-cm) that have been checked for ionic contamination are used.
- A Certificate of Analysis is provided with every standard and chelation chromatography reagent.
- All standards are NIST* traceable.
- Minimize time-consuming reagent and standard validation.
- Keep your system operating at peak performance.
- Your satisfaction is guaranteed; all Thermo Scientific Dionex reagents and standards carry a 90-day warranty.

*National Institute of Standards and Technology

Ordering information

To order in the US, visit thermofisher.com, call (800) 532-4752, or contact the nearest Thermo Fisher Scientific office. Outside the US, order through your local Thermo Fisher Scientific office or distributor. Refer to the following part numbers.

Anion standards		Volume	Part no.
Dionex Nine Anion Standard		50 mL	303173
<i>Contains the following analytes:</i>			
Fluoride	20 mg/L		
Chloride	30 mg/L		
Nitrite	100 mg/L		
Bromide	100 mg/L		
Nitrate	100 mg/L		
Bromate	100 mg/L		
Chlorate	100 mg/L		
Phosphate	150 mg/L		
Sulfate	150 mg/L		
Dionex Seven Anion Retention Time Standard		50 mL	088957
<i>Contains the following analytes:</i>			
Fluoride	1 mg/L		
Chloride	12 mg/L		
Nitrite	8 mg/L		
Bromide	18 mg/L		
Nitrate	18 mg/L		
Phosphate	13 mg/L		
Sulfate	20 mg/L		
Dionex Seven Anion Retention Time Standard concentrate		50 mL	302511
<i>Contains the following analytes:</i>			
Fluoride	100 mg/L		
Chloride	1200 mg/L		
Nitrite	800 mg/L		
Bromide	1800 mg/L		
Nitrate	1800 mg/L		
Phosphate	1300 mg/L		
Sulfate	2000 mg/L		
Dionex Combined Seven Anion Standard I		50 mL	056933
<i>Contains the following analytes:</i>			
Fluoride	20 mg/L		
Chloride	30 mg/L		
Nitrite	100 mg/L		
Bromide	100 mg/L		
Nitrate	100 mg/L		
Phosphate	150 mg/L		
Sulfate	150 mg/L		

Anion standards (continued)		Volume	Part no.
Dionex Combined Seven Anion Standard II		50 mL	057590
<i>Contains the following analytes:</i>			
Fluoride	20 mg/L		
Chloride	100 mg/L		
Nitrite	100 mg/L		
Bromide	100 mg/L		
Nitrate	100 mg/L		
Phosphate	200 mg/L		
Sulfate	100 mg/L		
Dionex Combined Five Anion Standard		100 mL	037157
<i>Contains the following analytes:</i>			
Fluoride	20 mg/L		
Chloride	30 mg/L		
Nitrate	100 mg/L		
Phosphate	150 mg/L		
Sulfate	150 mg/L		
Dionex Fluoride Standard, 1000 mg/L		100 mL	037158
Dionex Chlorite Standard, 1000 mg/L		125 mL	303167
Dionex Bromate Standard, 1000 mg/L		125 mL	303168
Dionex Chloride Standard, 1000 mg/L		100 mL	037159
Dionex Nitrite Standard, 1000 mg/L		125 mL	303169
Dionex Chlorate Standard, 1000 mg/L		125 mL	303170
Dionex Nitrate Standard, 1000 mg/L		100 mL	056497
Dionex Phosphate Standard, 1000 mg/L		125 mL	303172
Dionex Sulfate Standard, 1000 mg/L		100 mL	037160

Cation standards		Volume	Part no.
Dionex Six Cation Retention Time Standard		50 mL	088964
<i>Contains the following analytes:</i>			
Lithium	2 mg/L		
Sodium	9 mg/L		
Ammonium	3 mg/L		
Potassium	21 mg/L		
Magnesium	9 mg/L		
Calcium	17 mg/L		
Dionex Six Cation Retention Time Standard, 100x concentrate		50 mL	088969
<i>Contains the following analytes:</i>			
Lithium	200 mg/L		
Sodium	900 mg/L		
Ammonium	300 mg/L		
Potassium	2100 mg/L		
Magnesium	900 mg/L		
Calcium	1700 mg/L		

Cation standards (continued)		Volume	Part no.
Dionex Combined Six Cation Standard I		50 mL	040187
<i>Contains the following analytes:</i>			
Lithium	50 mg/L		
Sodium	200 mg/L		
Ammonium	400 mg/L		
Potassium	200 mg/L		
Calcium	1000 mg/L		
Dionex Combined Six Cation Standard II		50 mL	046070
<i>Contains the following analytes:</i>			
Lithium	50 mg/L		
Sodium	200 mg/L		
Ammonium	250 mg/L		
Potassium	500 mg/L		
Calcium	500 mg/L		

Haloacetic acid internal standards	Volume	Part no.
<i>Ready to use internal standards for haloacetic acid analysis using electrospray-mass spectrometric detection. Stable-labeled internal standards prepared in MTBE (methyl tertiary-butyl ether), 1 mL ampule plus empty vial</i>		
Dionex Monochloroacetic Acid (MCAA-2-13C), 1000 mg/L	1 mL	069406
Dionex Monobromoacetic Acid (MBAA-1-13C), 1000 mg/L	1 mL	069407
Dionex Dichloroacetic Acid (DCAA-2-13C), 1000 mg/L	1 mL	069408
Dionex Trichloroacetic Acid (TCAA-2-13C), 1000 mg/L	1 mL	069409

Eluent concentrates/chemicals	Volume	Part no.
Dionex AS29 Eluent Concentrate (100x) <i>0.45 M Na₂CO₃/0.20 M NaHCO₃</i>	250 mL	302952
Dionex AS23 Eluent Concentrate (100x) <i>0.45 M Na₂CO₃/0.08 M NaHCO₃</i>	250 mL	064161
Dionex AS22 Eluent Concentrate (100x) <i>0.45 M Na₂CO₃/0.14 M NaHCO₃</i>	250 mL	063965
Dionex AS14A Eluent Concentrate (100x) <i>0.80 M Na₂CO₃/0.10 M NaHCO₃</i>	250 mL	056937
Dionex AS14A Eluent Concentrate (20x) <i>0.16 M Na₂CO₃/0.02 M NaHCO₃</i>	100 mL	057560
Dionex AS14 Eluent Concentrate (100x) <i>0.35 M Na₂CO₃/0.10 M NaHCO₃</i>	250 mL	053560
Dionex AS4A, AS4A-SC, and AS9-SC Eluent Concentrate (100x) <i>0.18 M Na₂CO₃/0.17 M NaHCO₃</i>	250 mL	039513

Eluent concentrates/chemicals (continued)	Volume	Part no.
Dionex Sodium Carbonate Concentrate <i>0.5 M Na₂CO₃</i>	500 mL	037162
Dionex Sodium Bicarbonate Concentrate <i>0.5 M NaHCO₃</i>	500 mL	037163
Dionex CS12A Eluent Concentrate (20x) <i>0.4 M MSA</i>	100 mL 4 × 100 mL	057562 057558
Dionex DL-2,3-Diaminopropionic Acid Monohydrochloride (DAP-HCl) <i>For use with Dionex IonPac CS3, CS10, and CS11 columns</i>	5 g	039670

Pressurized bottle and AutoRegen reagents for Dionex CRS suppressors	Volume	Part no.
Dionex Anion Regenerant Solution (20x) <i>0.5 N H₂SO₄</i>	4 × 200 mL	037164
Dionex Cation Regenerant Solution (ready to use) <i>0.1 N TBAOH</i>	500 mL	039602

Displacement chemical regeneration reagents for Dionex CRS suppressors	Volume	Part no.
Dionex Anion Regenerant Concentrate (20x) <i>2.0 N H₂SO₄</i>	75 mL 4 × 75 mL	057559 057555
Dionex Cation Regenerant Solution (20x) <i>2.06 M TBAOH</i>	100 mL 4 × 100 mL	057561 057556
Dionex Cation Regenerant Solution (ready to use) <i>0.1 N TBAOH</i>	500 mL	039602

Ion pairing reagents	Volume	Part no.
Dionex IonSep Reagent (MPIC-CR2) <i>0.1 M Octanesulfonic Acid</i>	500 mL	035362
Dionex IonSep Reagent (MPIC-AR1) <i>0.1 M Tetrabutylammonium Hydroxide (TBAOH)</i>	500 mL	035360

Reagents for transition metals	Volume	Part no.
Dionex MetPac™ PDCA Eluent Concentrate (5x)	1000 mL	046088
Dionex MetPac Oxalic Acid Eluent Concentrate (10x)	500 mL	046091
Dionex MetPac PAR Postcolumn Diluent (ready to use)	1000 mL	046094

Transition metal chemicals	Quantity	Part no.
Dionex Pyridine-2,6-Dicarboxylic Acid (PDCA)	20 g	039671
Dionex 4-2(-Pyridylazo) Resorcinol Monosodium Salt (PAR)	5 g	039672

Chelation chromatography reagents	Volume	Part no.
<i>These reagents are specifically designed to be used with the Dionex IC/ICP Interface Module for the determination of transition and lanthanide metals at trace and ultratrace levels. A Certificate of Analysis is provided with each product.</i>		
Dionex 2.0 M Ammonium Acetate	1 L	033440

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