

thermo scientific



Celebrate simplicity

Thermo Scientific Dionex Easion
Ion Chromatography System

ThermoFisher
SCIENTIFIC

A red ribbon is draped across the top left corner, and colorful confetti (blue, yellow, red, orange) is scattered throughout the background, with a denser concentration at the bottom.

Worth celebrating: A small, simple IC system for everyday ion analysis

The new Thermo Scientific™ Dionex™ Easion™ Ion Chromatography (IC) system is anything but “routine.” It’s a perfect fit for any lab doing everyday water analysis or other typical IC applications. Small in size but big in value, the system’s advanced technology, innovative design and intuitive Thermo Scientific™ Chromeleon™ Chromatography Data System (CDS) software make it easy even for new operators to get first-rate results for either anions or cations.

Simply better value



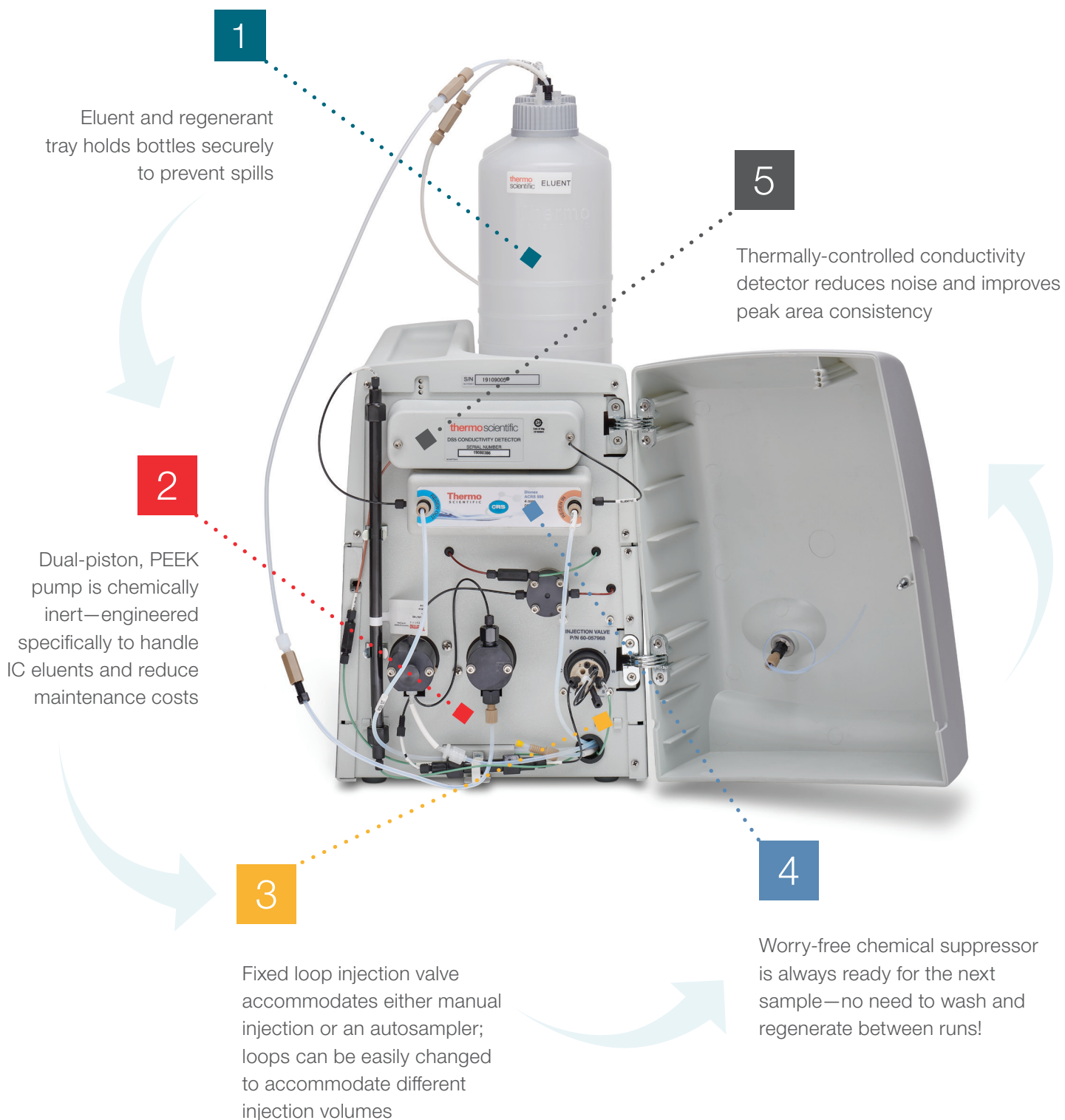
Dionex Easion IC system

- **Everything you need to get up and running in about 90 minutes**—including columns, suppressor, eluent concentrate, and regenerant concentrate—no additional pumps or equipment required
- **Membrane-based chemical suppression** ensures maximum uptime and reduces baseline drift to minimize sample-to-sample variability
- **Space-saving footprint** fits anywhere there's a bit of bench space
- **Simple operation and maintenance**—no extra items to change or maintain
- **Preconfigured analysis kits** take the guesswork out of system configuration for anions or cations
- **Industry-leading quality and reliability** give you confidence in your purchase decision—and assure your satisfaction for years to come



“Simply Intelligent” Chromeleon (CDS) software speeds up daily operations and helps you achieve consistent, high quality analyses. An intuitive, friendly interface shortens and smooths the path to results and makes it easy to train new users.

Simple, trouble-free design



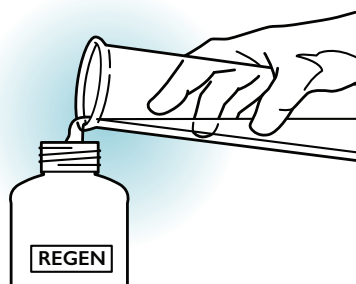
Here's how easy it is to get high quality, reproducible results



Step 1:

Prepare your eluent

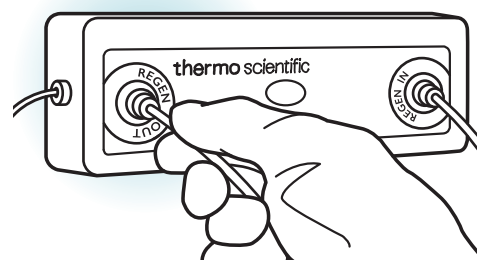
Add 10 mL concentrate to the eluent bottle, fill to 1 L with high purity water, and mix



Step 2:

Add your regenerant

Add concentrate to the regenerant bottle, dilute with high purity water, and mix



Step 3:

Connect your regenerant

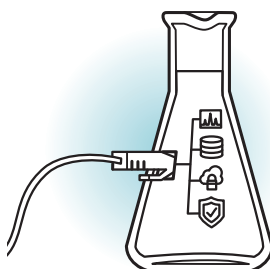
Attach the tubing from the regenerant bottle to the "Regen In" on the suppressor, then attach the tubing from the "Regen Out" to waste



Step 4:

Equilibrate your system

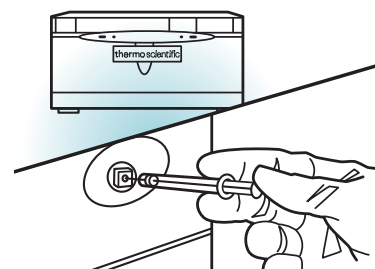
Start the pump and flow eluent through system until baseline shows low noise and drift



Step 5:

Plug in your sample information

Enter the sample sequence into Chromeleon CDS software



Step 6:

Inject your standards and samples

You can use either the manual syringe port or an autosampler



Step 7:

Process your data

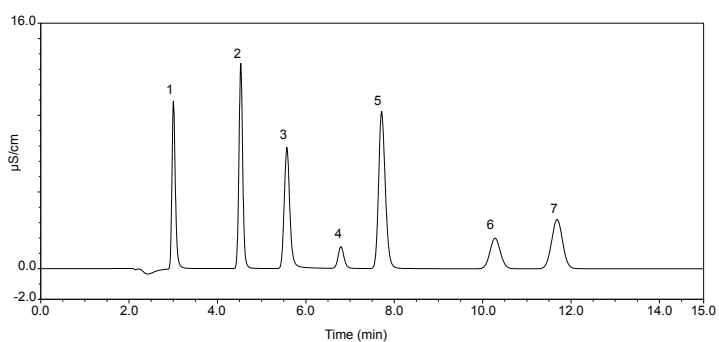
Generate first-class results using Chromeleon CDS software

Simply superior resolution and reproducibility

If your lab has a small number of samples for routine water analysis—or any other standard IC application, for that matter—you'll find the Dionex Easion IC system is a great fit. Industry-leading chemical suppression technology allows quick, hassle-free online regeneration, and ensures optimum performance for both anions and cations.

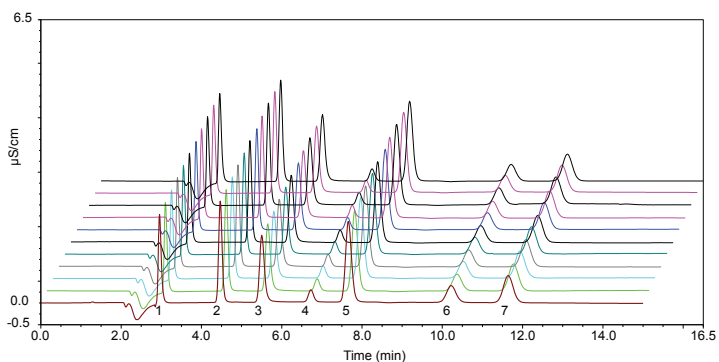
Inorganic anions

The Dionex Easion IC system shows excellent resolution for common anions found in drinking water.



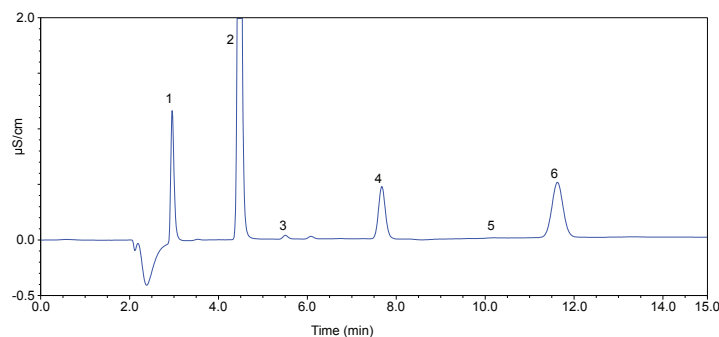
Ten replicate injections of a seven-ion standard

Despite the system's compact size and operational simplicity, there's no compromise in the quality and consistency of results.

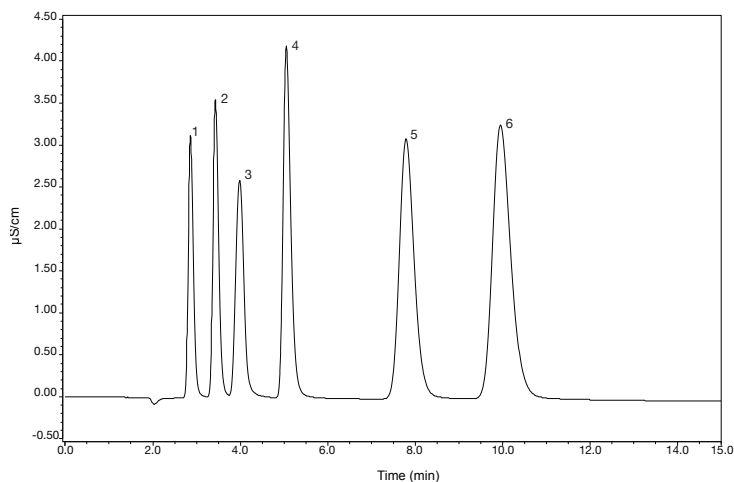


Inorganic anions in a drinking water sample

The technology of the Dionex Easion IC system reduces baseline noise, giving you the sensitivity needed to identify and quantify all ions of interest.



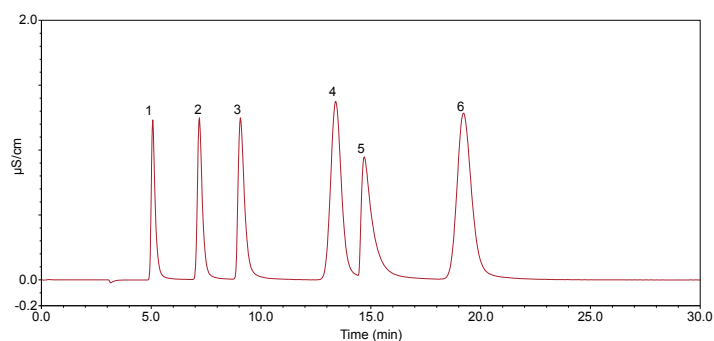
The versatile Dionex Easion IC system delivers superior results for both cations and anions; cations can be run just as easily as anions using the Dionex Easion cation analysis kit.



Peaks	Concentration, ppm
1 Lithium	0.5
2 Sodium	2.0
3 Ammonium	2.5
4 Potassium	5.0
5 Magnesium	2.5
6 Calcium	5.0

Separation of six common cations in less than 15 min

The Thermo Scientific™ Dionex™ IonPac™ CS12A analytical column included in the Thermo Scientific™ Dionex™ Cation Analysis Kit eases analysis and increases time efficiency.



Peaks	min	mg/L
1 Lithium	5.1	0.5
2 Sodium	7.2	2.0
3 Ammonium	9.1	2.5
4 Magnesium	13.4	2.5
5 Potassium	14.7	5.0
6 Calcium	19.2	5.0

Common inorganic cations and ammonium

Are you especially interested in analyzing ammonium in your samples? The Thermo Scientific™ Dionex™ IonPac™ CS16 analytical column can be used on the Dionex Easion IC system for increasing resolution between sodium and ammonium; which is very helpful when sodium is present in high amounts.



The simpler path to IC success

Here's one more reason to celebrate:
Right out of the box, you're ready to run!

Designed specifically for anions or cations in water, our analytical ion analysis kits include everything you need to successfully run your samples: columns, suppressors, and all the necessary consumable items. Even a selection of application notes and set-up methods!

Processing a lot of samples? Add a Thermo Scientific™ Dionex™ AS-DV Autosampler for walk-away convenience, and you'll also enjoy the benefits of built-in sample filtration.



Ordering information

Description	Part number
Dionex Easion IC system	22138-60101
Thermo Scientific™ Dionex™ Easion™ Anion Analysis Kit	067078
Thermo Scientific™ Dionex™ Easion™ Cation Analysis Kit	060129
Thermo Scientific™ Dionex™ Easion™ Anion Regenerant and Eluent Concentrates	057555 & 063965
Thermo Scientific™ Dionex™ Easion™ Cation Regenerant and Eluent Concentrates	057556 & 080388
Chromeleon CDS software, version 7.2	7100.0108-ICSP
Dionex AS-DV Autosampler*	068907
Thermo Scientific™ Dionex™ Easion™ Vials with Filter Cap*	038141
Microsoft® Windows® 10 PC*	7200.0850-ICSP

*Optional items

Dionex Easion Anion Analysis Kit includes:	Part number
Thermo Scientific™ Dionex™ IonPac™ AS22 Analytical Column	064141
Thermo Scientific™ Dionex™ IonPac™ AG22 Guard Column	064135
Thermo Scientific™ Dionex™ ACRS 500 Chemical Suppressor with 5-year warranty	085090W5Y
Thermo Scientific™ Dionex™ Displacement Chemical Regeneration Kit	056882
Thermo Scientific™ Dionex™ DCR Anion Regenerant 2 L Bottle	057712
Thermo Scientific™ Dionex™ Combined Seven Anion Standard II	057590
Thermo Scientific™ Dionex™ ACRS 500 Regenerant Concentrate, 4 pack*	057555
Thermo Scientific™ Dionex™ AS22 Eluent Concentrate*	063965

Dionex Easion Cation Analysis Kit includes:	Part number
Thermo Scientific™ Dionex™ IonPac™ CS12A Analytical Column	046073
Thermo Scientific™ Dionex™ IonPac™ CG12A Guard Column	046074
Thermo Scientific™ Dionex™ CCRS 500 Chemical Suppressor with 5-year warranty	085092W5Y
Thermo Scientific™ Dionex™ Displacement Chemical Regeneration Kit	056882
Thermo Scientific™ Dionex™ DCR Cation Regenerant 2 L Bottle	057713
Thermo Scientific™ Dionex™ Combined Six Cation Standard	088964
Thermo Scientific™ Dionex™ CCRS 500 Regenerant Concentrate, 4 pack*	057556
Thermo Scientific™ Dionex™ Methanesulfonic Acid CS12A Eluent Concentrate*	080388

*Chemicals are sold and shipped separately to ensure customer safety.

Find out more at thermofisher.com/easion

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