

Quantify size and purity, either reduced or non-reduced

390953 SDS-MW Analysis Kit / A10663 IgG Purity /Heterogeneity Assay

These kits were designed for the sizing and purity determination of proteins using a replaceable, gel matrix sieve. The gel is formulated to provide a sieve ranging from 10 to 220 kDa. The preparation typically involves heating a specified concentration of sample in the presence of an alkylating or reducing agent and SDS. The analyte is then separated by size using high-resolution capillary gel electrophoresis. This assay can detect impurities as low as 0.1% with UV detection or 0.01% with LIF detection.

390953 SDS-MW Analysis Kit



390953 Kit includes:

- Bare-fused Silica Capillary (3)
- SDS Gel Separation Buffer
- SDS Sample Buffer
- Protein Sizing Standard
- Internal Standard, 10 kDa protein
- Acidic Wash Solution, 0.1 N HCl
- Basic Wash Solution, 0.1 N NaOH

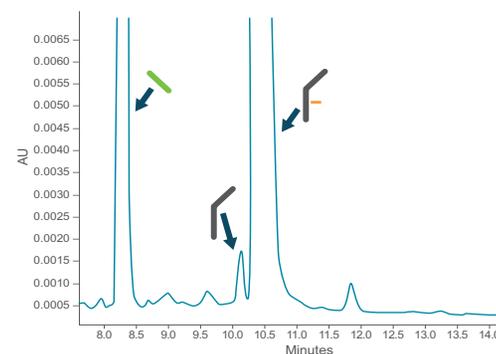
A10663 IgG Purity/Heterogeneity Assay



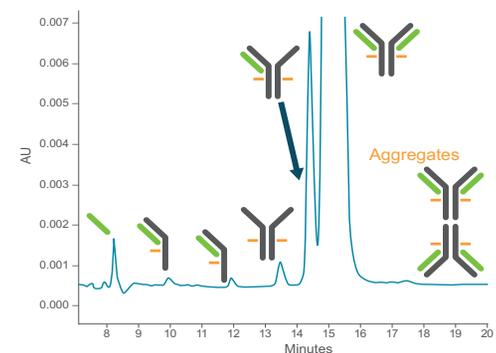
A10663 Kit includes:

- Bare-fused Silica Capillary (3)
- SDS Gel Separation Buffer
- SDS Sample Buffer
- IgG Standard
- Internal Standard, 10 kDa protein
- Acidic Wash Solution, 0.1 N HCl
- Basic Wash Solution, 0.1 N NaOH

Reduced IgG



Non-Reduced IgG



Reduced and non-reduced NIST mAb ran reduced in <15 minutes and non-reduced in <18 minutes.

Two times faster than HILIC with less sample prep

B94499 Fast Glycan Labeling and Analysis Kit

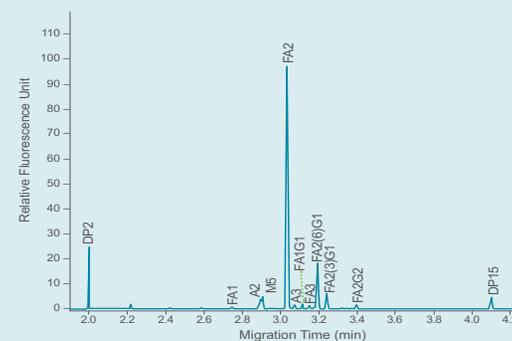
This kit was designed to rapidly label and separate released N-Glycans from glycoproteins. This method utilizes 8-aminopyrene-1,3,6-trisulfonic acid (APTS) followed by the effective removal of the excess dye using a magnetic bead based cleanup. The labeled glycans are then separated by high resolution capillary electrophoresis with laser induced fluorescence detection using the HR-NCHO separation matrix. Immediate glycan identification is determined based on their normalized electrophoretic mobility referenced against pre-determined Glucose Units (GU) values using appropriate bracketing standards.



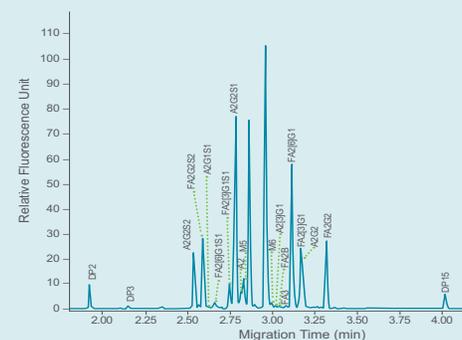
Kit includes:

- M1 Mix
- D1 Mix
- D2 Mix
- D3 Mix
- D4 mix
- L5 Mix
- L6 Mix
- GU Ladder
- IST (Internal Standard)
- BST (Bracketing Standard Mixture)
- HR-NCHO Separation Gel
- Magnetic Separator
- Pre-Assembled Cartridge

For more information, visit: sciex.com/products/consumables



Adalimumab separated and identified 10 glycan species in <5 minutes



Enbrel® separated and identified 10 glycan species in <5 minutes

Charge heterogeneity analysis in as little as 5 Minutes

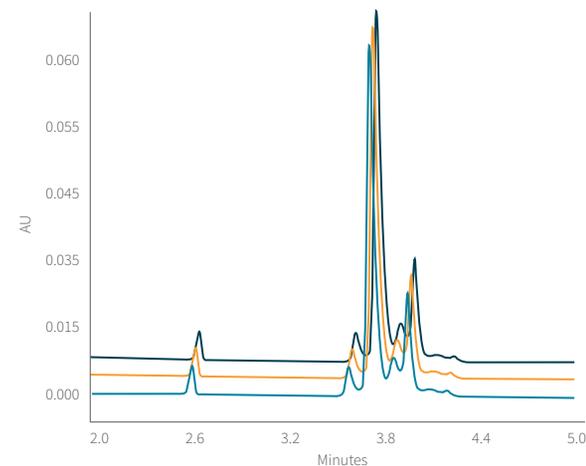
C44790 CZE Rapid Charge Variant Analysis Kit

Charge variant analysis has never been easier. In under 5 minutes of separation time, the CZE (Capillary Zone Electrophoresis) Rapid Charge Variant Analysis Kit can resolve a native state molecule's charge variants with little-to-no method development and provide higher resolution than icIEF or ion exchange chromatography. This kit provides all of the necessary reagents to analyze a molecule's charge variants based on its mobility. This method provides a fast, powerful separation used to quantify charge variants with a buffer that serves as both a separation matrix and dynamic coating for a bare fused silica capillary. In addition, no sample dilution buffer is required; simply dilute the sample in water and you are ready for your separation.



Kit includes:

- CZE Rapid Charge Variant Separation Buffer
- Acid Wash/Regenerating Solution
- CE Grade Water (H₂O)
- Protein Test Mix



Trastuzumab charge heterogeneity profile separated utilizing the CZE Rapid Charge Variant Analysis Kit.

Highest pI resolution available

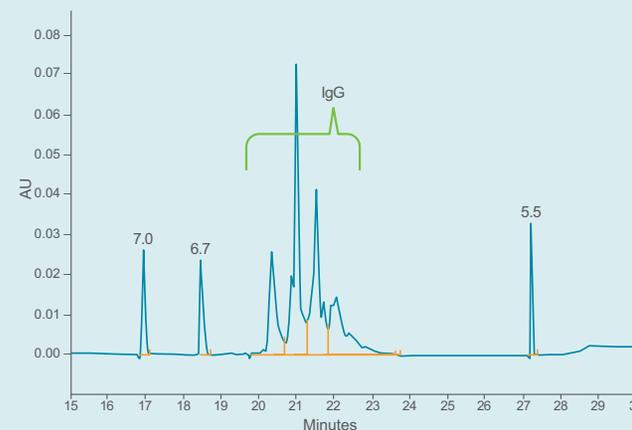
A80976 Advanced cIEF Starter Kit

Capillary Isoelectric Focusing (cIEF) is a powerful technique that allows quantitative, experimental analysis of a protein's isoelectric focusing point (pI) and charge variants. In cIEF, a mixture of sample and ampholyte is introduced into a capillary and subjected to a high voltage, creating a pH gradient through which analytes migrate to their respective pI. The PA 800 Plus system automates the process to successfully achieve high precision and quantitative separations. Use of optimized universal methods and synthetic pI markers attains the highest levels of precision (down to 0.03 pI units) in pI calculation and direct isoform quantification with online UV detection.



Kit includes:

- Neutral Capillary
- cIEF Gel
- pI Peptide Marker Kit (pI Marker 4.1, 5.5, 7.0, 9.5, and 10.0)



Peak	pI exp Mean	pI exp Std Dev	pI exp %RSD
pI 7.0	6.957	0.008	0.115
pI 6.7	6.741	0.007	0.103
IgG a	6.473	0.007	0.114
IgG b	6.381	0.007	0.115
IgG c	6.308	0.007	0.117
IgG d	6.232	0.009	0.152
pI 5.5	5.492	0.009	0.158

CIEX cIEF separation method delivering high accuracy of pI markers coupled with extremely robust peak pI identifications of mouse IgG1k.

Highly sensitive and effective DNA, RNA and plasmid analysis

477480 ssDNA 100R Kit / 477410 dsDNA 1000 Kit

Use either UV or enhanced fluorescence detection with LIF for single base resolution of DNA. SCIEX offers both ssDNA analysis of individual bases or dsDNA analysis of base pairs. These kits are ideal for plasmid and oligonucleotide analysis as well as nucleic acid integrity. They include a coated capillary, replaceable gel, test mix, and internal standard guaranteed to perform at least 100 runs.

477480 ssDNA 100R Kit



477480 Kit includes:

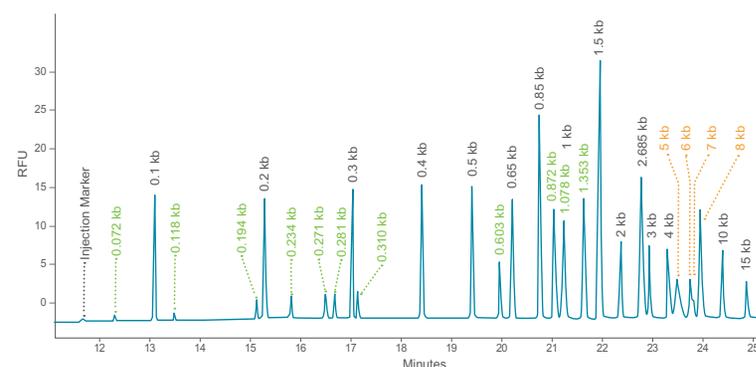
- DNA Capillary (2)
- ssDNA 100R Gel
- ssDNA 100 Test Mix
- Tris-Borate Buffer
- 7 M Urea
- pd(A) 40-60 Test Mix

477410 dsDNA 1000 Kit



477410 Kit includes:

- DNA Capillary (2)
- dsDNA 1000 Gel (3)
- dsDNA 1000 Text Mix (2)
- Orange G Reference Marker



Separation of virus and plasmid DNA utilizing SCIEX dsDNA 1000 kit (Sample peaks are in green with DNA ladder peaks in black font.)

Develop your ideal method

477445 Protein Methods Development Kit

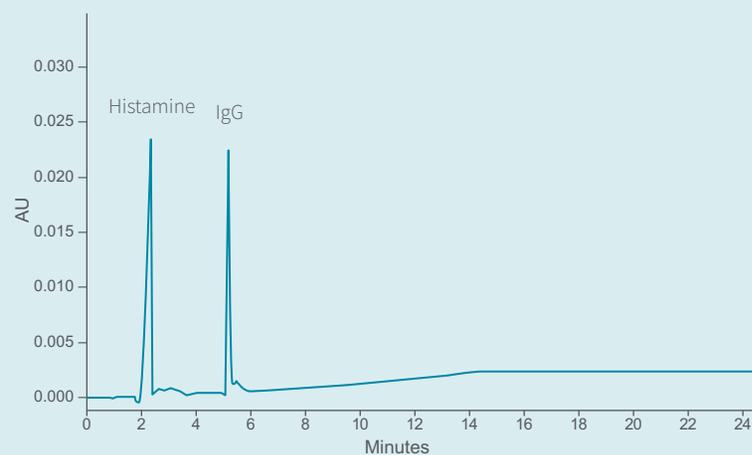
Our Protein Method Development Kit is a great place to start your assay development. It is designed as a starting point for the development of a capillary zone electrophoresis analysis of complex molecules. The Protein Method Development Kit contains a variety of capillaries, buffers, standards, and markers to allow you to optimize a separation method for a broad spectrum of proteins by utilizing their mass/charge characteristics. This kit enables a user to develop a customized method that is ideal for their molecule.

477445 Protein Methods Development Kit



477445 Kit includes:

- Neutral Capillary
- Orange G Reference Marker
- Histamine Reference Marker
- Citrate Buffer, pH 3
- Citrate/MES Buffer, pH 6
- Tricine Buffer, pH 8
- Protein Test Mix



IgG mobilized against the Histamine reference marker with separation in <6 minutes.

Improved ion analysis

A53537 Anion Analysis Kit / A53540 Cation Analysis Kit

The anion and cation analysis kits provide the ability to separate and quantify charged and polar analytes with indirect UV detection, in as little as four minutes. The buffer system can handle dirty samples, making sample clean up unnecessary. In addition, this method utilizes a single sample preparation step and the easy-to-use bare fused silica capillary.

A53537 Anion Analysis Kit



A53540 Kit includes:

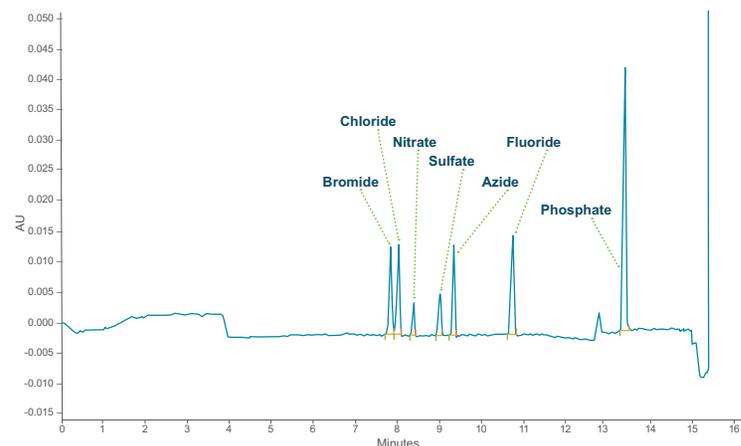
- Cation Coating A
- Cation Coating B
- Cation Separation Buffer
- Na Conditioner
- Li Conditioner
- Cation Internal Standard
- Cation Test Mix
- Bare-fused Silica Capillary (3)
- Rinse Solution

A53540 Cation Analysis Kit



A53537 Kit includes:

- Anion Coating
- Anion Separation Buffer
- Na Conditioner
- Anion Acid Rinse
- Anion Internal Standard
- Anion Organic Test Mix
- Anion Inorganic Test Mix
- Bare-fused Silica Capillary (3)
- Rinse Solution



Easily detect counter ion differences in a sample.

Supplies and resources

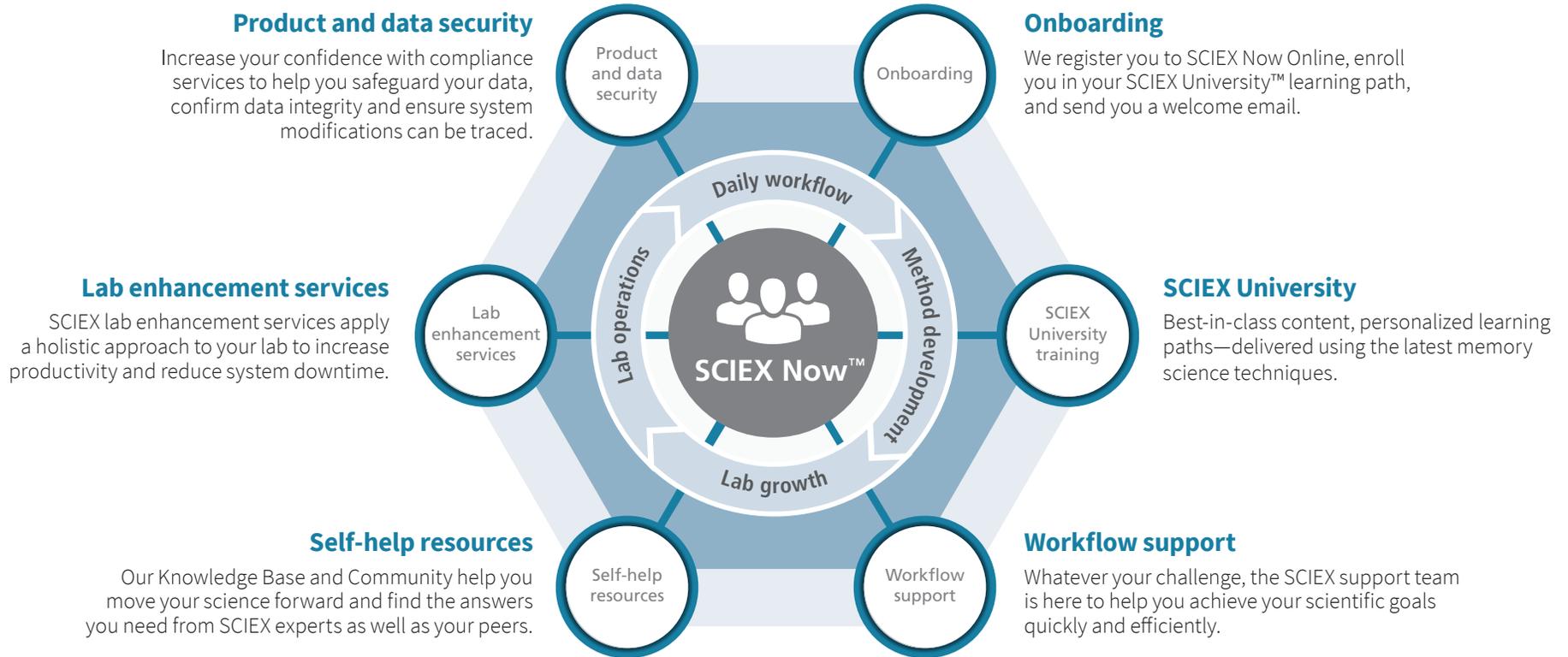
Items can be ordered at www.store.sciex.com or from your local SCIEX representative.

Description	Part No.
Pre-Assembled Cartridge	A55625
Cartridge Assembly Kit	144738
Universal Vials	A62251
Universal Vial Caps	A62250
200 µL Microvials (Pkg of 100)	144709
nanoVials (Pkg of 100)	5043467
96 well plate (Pkg of 100)	609844
Bare-Fused Silica Capillary, 67 cm total x 50 µm ID (3)	338451
Bare-Fused Silica Capillary, 37 cm total x 20 µm ID (3)	338475
Bare-Fused Silica Capillary, 67 cm total x 75 µm ID (3)	338454
Bare-Fused Silica Capillary, 111 cm total x 75 µm ID (3)	360800
Bare-Fused Silica Capillary, 111 cm total x 50 µm ID (3)	360801
DNA Capillary	477477
Neutral Capillary	477441
NCHO Capillary	477601
Coolant tubing, 100 cm	144717



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