

Capillary electrophoresis kits

Kits to meet the challenges of today with the flexibility for tomorrow



Quantify size and purity, either reduced or non-reduced

P/N 390953 SDS-MW Analysis Kit / P/N 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.

P/N 390953 SDS-MW Analysis Kit



P/N 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

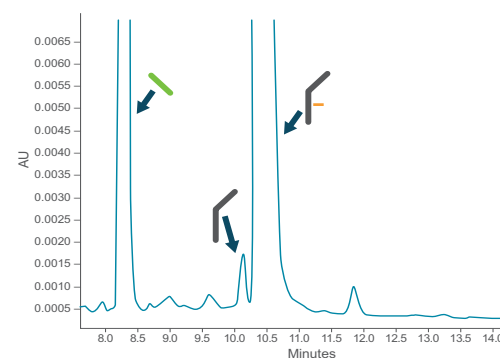
P/N A10663 IgG Purity/Heterogeneity Assay



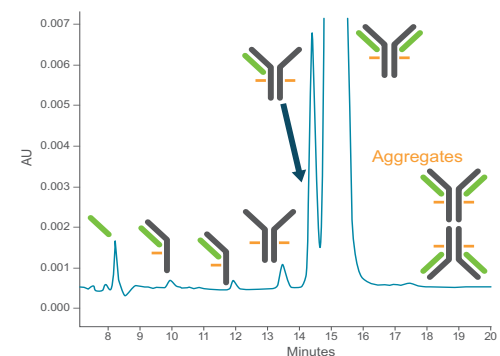
P/N A10663 kit includes:

- 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.

For more information, visit: [sciex.com/products/consumables](https://www.sciex.com/products/consumables)

High-resolution, broad range RNA integrity and quality analysis

P/N C48231 RNA 9000 Purity & Integrity kit

Say goodbye to less than desirable analytical resolution, poor method transferability and method complexity when analyzing RNA products. Now you can easily analyze a diverse array of RNA species, from 50-9,000 bases, and achieve high-resolution data down to double digit base differences – all with the SCIEX RNA 9000 Purity & Integrity kit. Analysis from early development to QC can easily be conducted with transferability and validation completed on the BioPhase 8800 system and the PA 800 Plus.

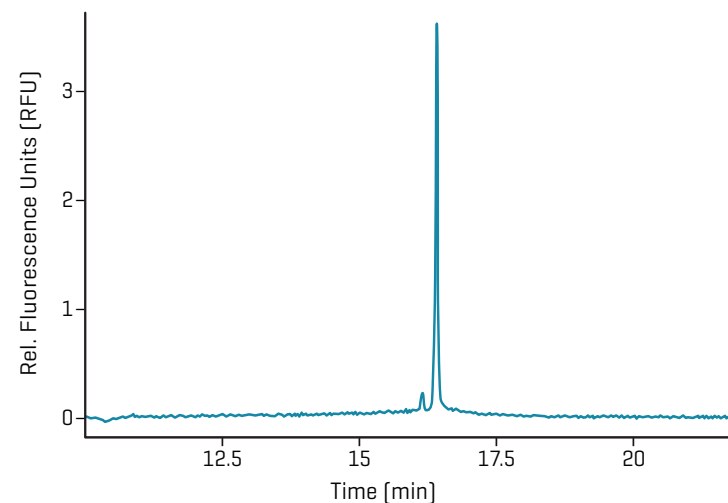
P/N C48231 RNA Purity & Integrity kit



Kit includes:

- Nucleic Acid Extended Range Gel (2)
- SYBR™ Green II RNA Gel Stain¹ (500x)
- Acid Wash/Regenerating Solution (0.1M HCl)
- CE Grade Water (2)
- LIF Performance Test Mix
- ssRNA Ladder (0.05 kB to 9 kB)

¹ SYBR™ is a trademark of the Life Technologies Corporation. SYBR™ Green II RNA Gel Stain is not available for resale.



SCIEX RNA 9000 Purity & Integrity kit used to analyze mRNA purity from previously LNP encapsulated mRNA samples from SINTEF Industry (Norway).²

² LNP encapsulated mRNA, mRNA, and empty LNP samples provided by Jérémie Parot, PhD, SINTEF Industry (Norway).

Highly sensitive and effective DNA and plasmid analysis

P/N 477480 ssDNA 100R Kit / P/N 477410 dsDNA 1000 Kit

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

P/N 477480 ssDNA 100R Kit



P/N 477480 kit includes:

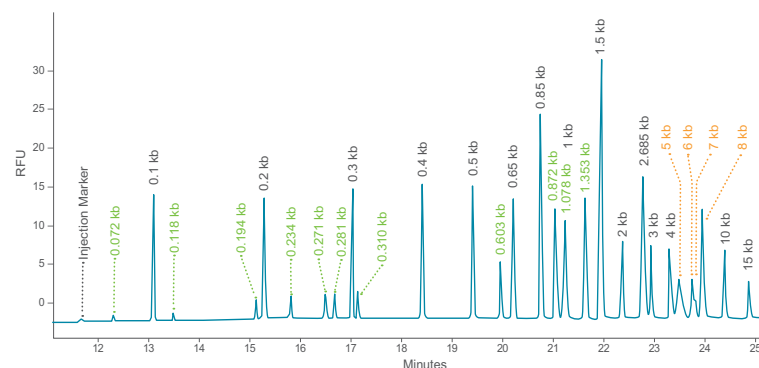
- DNA Capillary (2)
- ssDNA 100R Gel
- ssDNA 100 Test Mix
- Tris-Borate Buffer
- 7 M Urea
- pd(A) 40-60 Test Mix

P/N 477410 dsDNA 1000 Kit



P/N 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.)

Charge heterogeneity analysis in as little as 5 Minutes

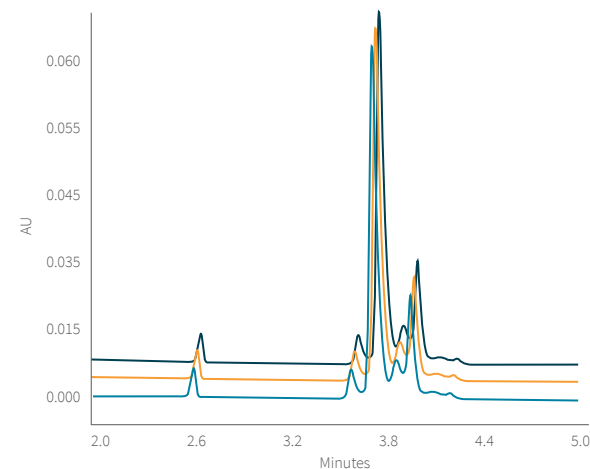
P/N C44790 CZE Rapid Charge Variant Analysis Kit

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.

Two times faster than HILIC with less sample prep

P/N B94499 Fast Glycan Labeling and Analysis Kit

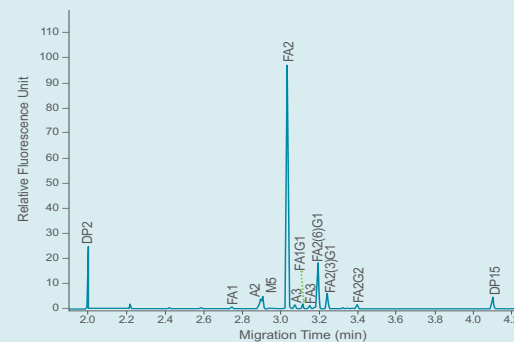
This kit was designed to rapidly label and separate released N-Glycans from glycoproteins. This method utilizes 8-aminopyrene-1,3,6-trisulfonic acid (APTS) followed by the effective removal of the excess dye using a magnetic bead based cleanup. The labeled glycans are then separated by high resolution 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.



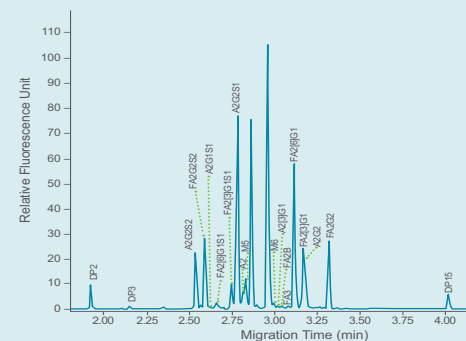
Kit includes:

- 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

Highest pI resolution available

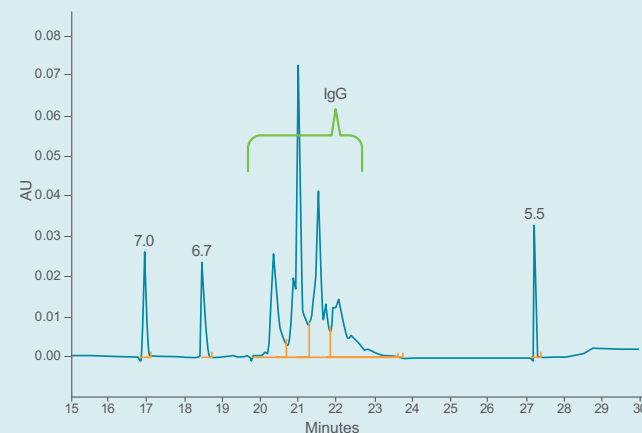
P/N A80976 Advanced cIEF Starter Kit

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)
- Sample Loading Solution (SLS)
- CE Grade Water



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.

Develop your ideal method

P/N 477445 Protein Methods Development Kit

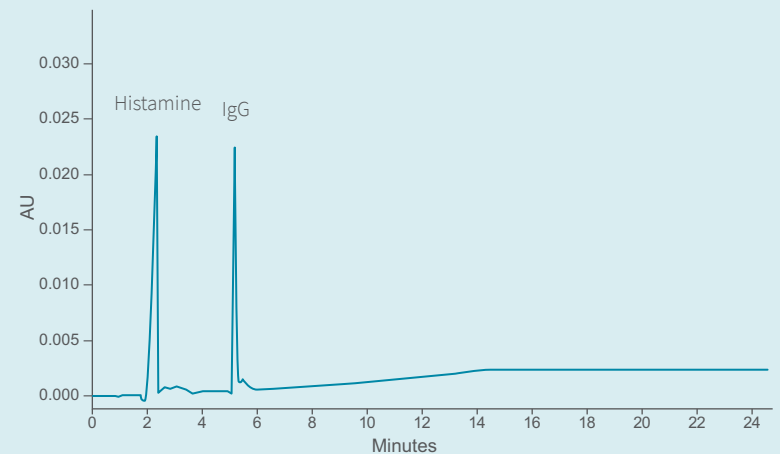
Our Protein Method Development Kit is a great place to start your assay development. It is designed as a starting point for the development of a capillary zone electrophoresis analysis of complex molecules. The Protein Method Development Kit contains a variety of capillaries, buffers, standards, and 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.

P/N 477445 Protein Methods Development Kit



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.

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



SCIEX

PA 800 Plus
Biologics Analysis System

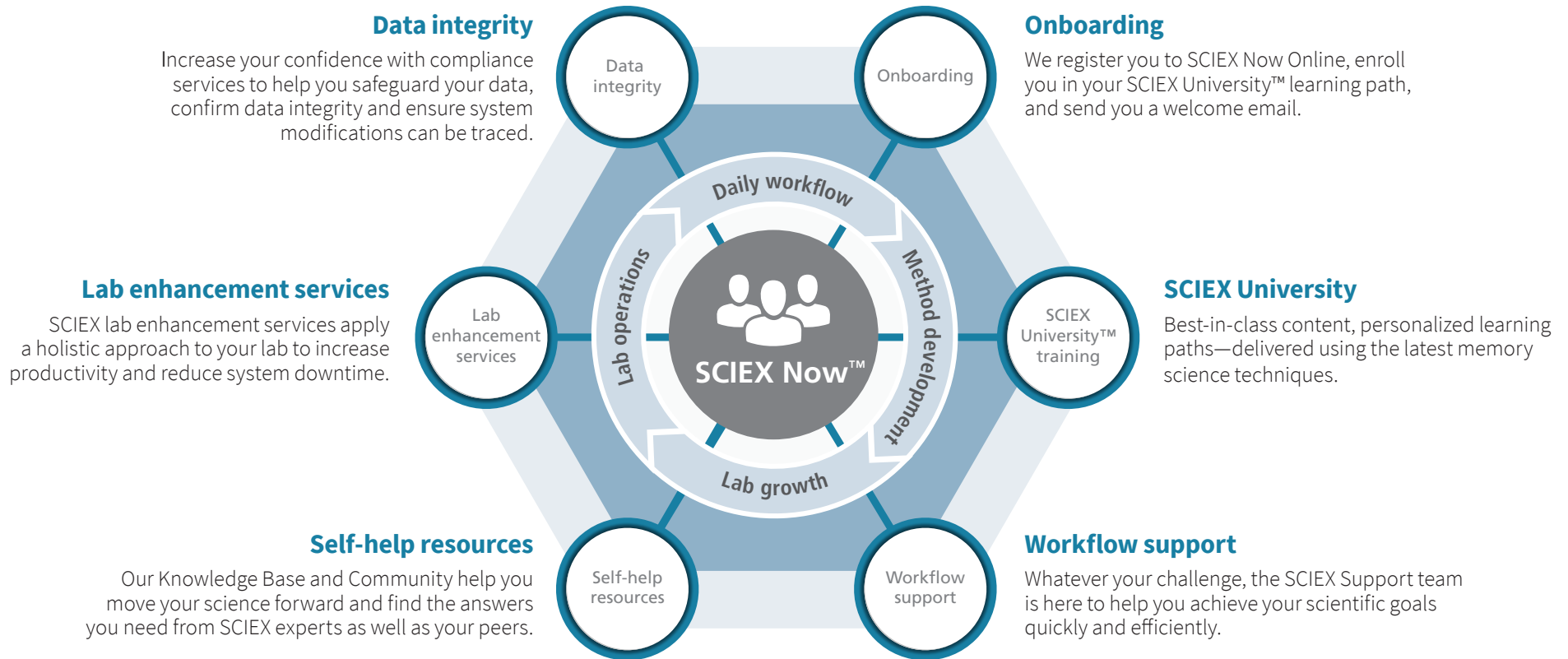
CAUTION
HIGH VOLTAGE IS PRESENT WHEN HV+ OR HV-
INDICATOR LIGHT IS ON.
TURN HIGH VOLTAGE OFF BEFORE OPENING DOOR
OR REACHING NEAR ELECTRODES

Notes

Notes

SCIEX Now™ Support Network

The destination for all your support needs



Start your path to success now: sciex.com/sciexnow

The SCIEX clinical diagnostic portfolio is For In Vitro Diagnostic Use. Rx Only. Product(s) not available in all countries. For information on availability, please contact your local sales representative or refer to <https://sciex.com/diagnostics>. All other products are For Research Use Only. Not for use in Diagnostic Procedures. Trademarks and/or registered trademarks mentioned herein, including associated logos, are the property of AB Sciex Pte. Ltd. or their respective owners in the United States and/or certain other countries (see sciex.com/trademarks). © 2022 DH Tech. Dev. Pte. Ltd.

RUO-MKT-03-10503-B

Headquarters

500 Old Connecticut Path
Framingham, MA 01701 USA
Phone 508-383-7700
sciex.com

International Sales

For our office locations please call the division headquarters or refer to our website at sciex.com/offices

