2025 edition

SCIEX

BioPhase 8800 system and PA 800 Plus system

Consumables and reagents catalog

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Contents

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01

BioPhase 8800 system

Consumables and reagents

Nucleic acid analysis kits

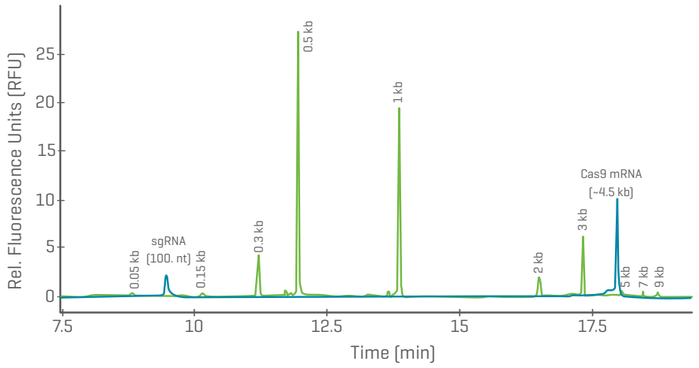
P/N C48231 **RNA 9000 Purity & Integrity kit**

The RNA 9000 Purity & Integrity kit is designed for purity and integrity analysis of RNA therapeutics, vaccines and large, single-stranded oligonucleotides. This kit enables the analysis of a diverse array of RNA species, between 50 and 9,000 bases. It provides the ability to conduct analysis from early development to quality control and for transferability and validation to be completed on both the BioPhase 8800 and PA 800 Plus systems.

This kit provides reagent volumes for the analysis of 200 samples, is designed for use on the BioPhase 8800 and PA 800 Plus systems and includes

- Acid wash/regenerating solution (0.1N HCl), 100 mL
- CE Grade water, 140 mL (2)
- LIF performance test mixture, 20 mL
- Nucleic acid extended range gel, 140 mL (2)
- SYBR™ Green II RNA gel stain[1] (500x) (0.11 mL)
- ssRNA ladder (0.05 kB to 9 kB), 70 µL (2)

[1]SYBR is a trademark of the Life Technologies Corporation. SYBR Green II RNA gel stain is not available for resale.



CRISPR/Cas9 system RNA profiling. Data acquired on the BioPhase 8800 system using the RNA 9000 Purity & Integrity kit.

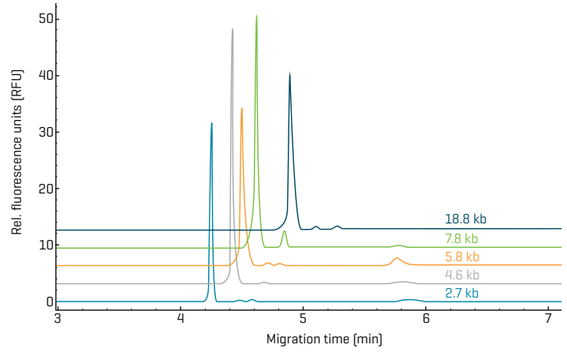
P/N 5311708 **DNA 20 kb Plasmid and Linear kit**

The DNA 20 kb Plasmid and Linear kit is used to do isoform and purity analysis of plasmid and linearized dsDNA. This kit supplies high analytical resolution and can be used to analyze a wide range of linear double-stranded DNA fragments or plasmid isoforms. Plasmid isoforms from 2,000 bp to 19,000 bp can be separated, including super coiled, linear, and open circular species. The kit can do size estimation and purity analysis for linear dsDNA samples from 100 bp to 20,000 bp.

This kit provides reagent volumes for analysis of 200 samples and includes:

- Acid Wash/regenerating solution (0.1N HCl), 100 mL (1)
- CE Grade water, 140 mL (1)
- DNA 20 kb Plasmid and Linear conditioning solution, 135 mL (1)
- DNA 20 kb Plasmid and Linear gel, 135 mL (1)
- DNA 20 kb Plasmid and Linear sample buffer, 55 mL (1)
- SYBR™ Gold Nucleic Acid gel stain[1], 120 µL (6)
- DNA 20 kb Plasmid test mix, 800 ng in 20 µL (6)

[1]SYBR™ is a trademark of the Life Technologies Corporation. SYBR™ Gold Nucleic Acid gel stain is not available for resale.



A wide range of pDNA purity and isoform analysis utilizing the DNA 20 kb Plasmid and Linear kit on the BioPhase 8800 system.

Nucleic acid analysis kits

Nucleic acid analysis components	
P/N 5308349	Nucleic acid extended range gel multi-pack, 140mL (4)
P/N C48034	CE Grade water, 140 mL
P/N 608082	Sample loading solution, 6 mL
P/N 5312349	Acid wash/regenerating solution (0.1N HCl), 100 mL
P/N 5312283	DNA 20 kb Plasmid and Linear separation pack

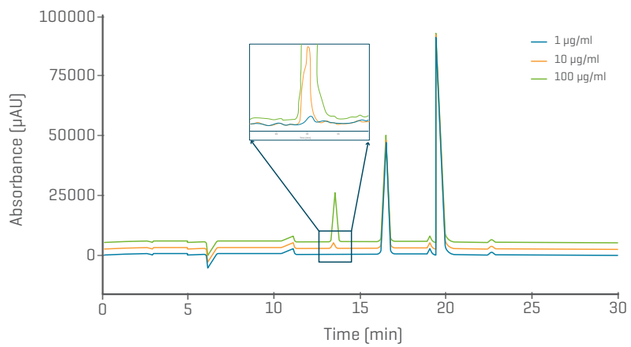
P/N C48034
CE Grade water, 140 mL

Size and purity analysis kits

P/N C30085 BioPhase CE-SDS Protein Analysis kit
The BioPhase CE-SDS Protein Analysis kit enables monoclonal antibody (mAb) analysis and other protein purity and integrity analysis on the BioPhase 8800 system utilizing a replaceable, sieving gel matrix.

This kit provides reagent volumes for the analysis of 200 samples and includes:

- SDS-MW gel buffer, 140 mL (2)
- Regenerator basic solution, 100 mL
- Regenerator acidic solution, 100 mL
- SDS-MW sample buffer, 50 mL
- Low pH SDS sample buffer, 55 mL
- 10 kD internal standard, 400 µL (2)
- CE Grade water, 140 mL (3)



Impurity analysis down to 0.1% of the main product (0.1% of lysozyme spiked into an IgG sample) with the BioPhase 8800 system.

Name	Apex	ca	ca%	SNR RMS
Lysozyme 0.1%	13.57	29.68	0.09	27.79
mAb main product	19.44	32049.51	99.91	12535.09

Size and purity analysis kits

Size and purity analysis components	
P/N A30341	SDS-MW gel buffer multi-pack, 140 mL (4)
P/N 391734	IgG control standard, 3 pack, (1 mg/mL in SDS sample buffer, 1 mL each)
P/N A26487	10 kD internal standard, 400 µL
P/N A22196	MW sizing standard, 3 pack, (16 mg/mL, 100 µL each)
P/N C44807	Low pH SDS sample buffer, 140 mL
P/N C57805	Low pH phosphate SDS sample buffer, 140 mL
P/N C48034	CE Grade water, 140 mL
P/N 608114	Mineral oil, 5 mL
P/N 5312349	Acid wash/regenerating solution (0.1N HCl), 100 mL
P/N 5314719	SDS Sample Buffer, 50 mL

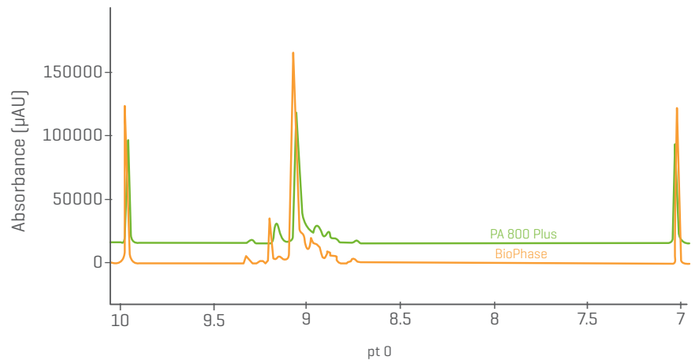
P/N A30341
SDS-MW gel buffer multi-pack, 140 mL (4)

Charge heterogeneity analysis kits

P/N C30101 BioPhase Capillary Isoelectric Focusing (cIEF) kit
This kit is configured for use on the BioPhase 8800 system. 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 cIEF kit provides reagent volumes for the analysis of 200 samples and includes:

- Athodic stabilizer, 130 mg (4)
- Anodic stabilizer, 30 mg (4)
- cIEF gel, 60 mL
- Urea, 15 g
- Neutral capillary conditioning solution, 60 mL
- Anolyte, 100 mL
- Catholyte, 60 mL
- Chemical mobilizer, 100 mL
- Formamide, 60 mL
- CE Grade water, 140 mL (4)



Comparison of the cIEF separation profiles of the NISTmAb charge variants between capillary A of the BioPhase 8800 system (lower trace) and the single capillary PA 800 Plus system (upper trace).

Charge heterogeneity analysis kits

Charge heterogeneity analysis components	
P/N 5306013	Neutral capillary conditioning solution, 60 mL
P/N C48034	CE Grade water, 140 mL
P/N 608082	Sample loading solution, 6 mL
P/N A58481	cIEF peptide marker kit, 240 µL (5 vials)
P/N 477497	cIEF gel, 100 mL
P/N 5312349	Acid wash/regenerating solution (0.1N HCl), 100 mL

P/N A58481
cIEF peptide marker kit, 240 µL (5 vials)

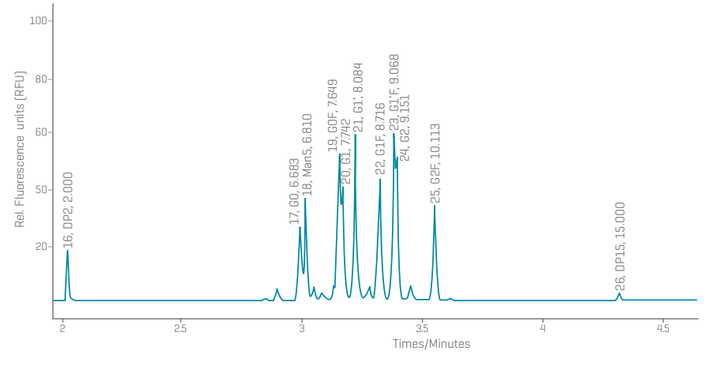
P/N 477497
cIEF gel, 100 mL

Glycan analysis kits

P/N C30098 BioPhase Fast Glycan Labeling and Analysis kit
The BioPhase Fast Glycan Labeling and Analysis kit is designed to rapidly label glycoprotein-released N-Glycans with APTS followed by effective removal of the excess dye using 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. Glycans identification is determined based on their normalized electrophoretic mobility referenced against pre-determined GU values using appropriate bracketing standards.

This kit provides reagent volumes for the analysis of 200 samples and includes:

- BST – bracketing standard, 0.18 mg
- CE grade water, 140 mL
- D1 – sample process solvent, 500 mM
- D2 – sample process solvent, 100 mM
- D3 – sample process solvent, 1.8 mL
- D4 – sample process solvent, 15 mL
- GU – glucose ladder standard, 50 mg
- HR-NCHO glycan separation buffer
- IST – internal standard
- L5 – sample labeling solvent
- L6 – Sample reagent dye
- LIF performance test mixture
- M1 – glycan capture beads



A mixture of 9 major glycans found on a mAb analyzed by the BioPhase Fast Glycan Labeling and Analysis kit. Peaks are labeled with ID and GU values used for identification.

Glycan analysis kits

Glycan analysis components	
P/N C48034	CE Grade water, 140 mL

General components	
P/N 338437	Capillary performance test kit
P/N 338426	Capillary performance run buffer A, 50 mL
P/N 501333	Performance Test Mix B
P/N 338424	Capillary regenerator solution A, 50 mL

P/N C48034
CE Grade water, 140 mL

P/N 338424
Capillary regenerator solution, 50 mL

P/N 501333
Performance Test Mix B, 20 mL

Cartridges

P/N 5080123 BioPhase BFS capillary cartridge - 8 x 50 cm

This bare fused silica (BFS) 8-capillary cartridge is designed for use on the BioPhase 8800 system, which includes 1 cartridge with 8 x 50 cm BFS capillaries pre-installed. The detection window is located 40 cm from the inlet side and has incorporated electrodes. The cartridge incorporates liquid temperature control for improved standardization of separation temperature to support high levels of assay repeatability.

P/N 5080121 BioPhase BFS capillary cartridge - 8 x 30 cm

This bare fused silica (BFS) 8-capillary cartridge is designed for use on the BioPhase 8800 system, which includes 1 cartridge with 8 x 30 cm BFS capillaries pre-installed. The detection window is located 20 cm from the inlet side and has incorporated electrodes. The cartridge incorporates liquid temperature control for improved standardization of separation temperature to support high levels of assay repeatability.

P/N 5080119 BioPhase Neutral capillary cartridge - 8 x 30 cm

This neutral coated 8-capillary cartridge is designed for use on the BioPhase 8800 system, which includes 1 cartridge with 8 x 30 cm neutral capillaries pre-installed. The detection window is located 20 cm from the inlet side and has incorporated electrodes. The cartridge incorporates liquid temperature control for improved standardization of separation temperature to support high levels of assay repeatability.

P/N 5080121
BFS capillary cartridge - 8 x 30 cm

P/N 5080119
Neutral capillary cartridge - 8 x 30 cm

Plates for the BioPhase 8800 system

Labware

P/N 5080311 BioPhase sample and reagent plates (4, 4, 8)

This starter kit includes 4 sample plates, 4 reagent plates and 8 outlet plates. Sample and reagent plates are 96 wells and are designed to ANSI standard configuration for compatibility with automated 96-well plate liquid handlers and for use with 8-capillary cartridges for the BioPhase 8800 system.

P/N 5080313 BioPhase sample plates (20)

This plate pack includes 20 sample plates. Sample plates are 96 wells and are designed to ANSI standard configuration for compatibility with automated 96-well plate liquid handlers and for use with 8-capillary cartridges for the BioPhase 8800 system.

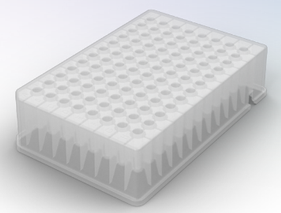
P/N 5080314 BioPhase reagent plates (20)

This plate pack includes 20 sample reagents. Reagent plates are 96 wells and are designed to ANSI standard configuration for compatibility with automated 96-well plate liquid handlers and for use with 8-capillary cartridges for the BioPhase 8800 system.

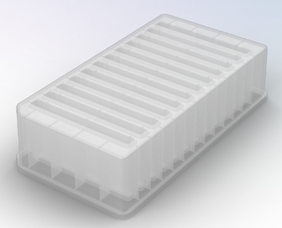
P/N 5080315 BioPhase outlet plates (20)

This plate pack includes 20 outlet plates. Outlet plates are 96 wells and are designed to ANSI standard configuration for compatibility with automated 96-well plate liquid handlers and for use with 8-capillary cartridges for the BioPhase 8800 system.

P/N 5080313
Sample plates for the BioPhase 8800 system



P/N 5080315
Outlet plates for the BioPhase 8800 system



Accessories and filters for the BioPhase 8800 system

Miscellaneous components

P/N 5066919	488 nm laser
P/N 5085153	UV filter assembly
P/N 5066890	220 nm UV filter
P/N 5072643	280 nm UV filter
P/N 5085177	600 nm LIF filter assembly
P/N 5085178	560 nm LIF filter assembly
P/N 5085159	520 nm LIF filter assembly
P/N 359976	Capillary cartridge coolant, 450 mL

P/N 359976
Capillary cartridge coolant, 450 mL

02

PA 800 Plus system

Consumables and reagents

Nucleic acid analysis kits

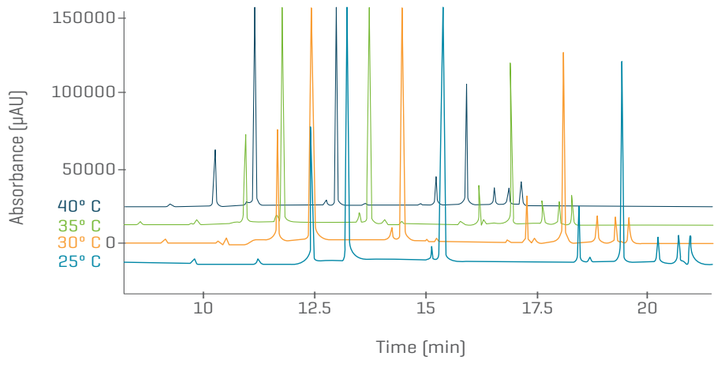
P/N C48231 **RNA 9000 Purity & Integrity kit**

The RNA 9000 Purity & Integrity kit is designed for purity and integrity analysis of RNA therapeutics, vaccines and large, single-stranded oligonucleotides. This kit enables the analysis of a diverse array of RNA species, between 50 and 9,000 bases. It provides the ability to conduct analysis from early development to quality control and for transferability and validation to be completed on both the BioPhase 8800 and PA 800 Plus systems.

This kit provides reagent volumes for the analysis of 200 samples, is designed for use on the BioPhase 8800 and PA 800 Plus systems and includes:

- Acid wash/regenerating solution, 0.1N HCl, 100 mL
- CE Grade water, 140 mL (2)
- LIF performance test mixture, 20 mL
- Nucleic acid extended range gel, 140 mL (2)
- SYBR™ Green II RNA gel stain[1] (500x) (0.11 mL)
- ssRNA ladder (0.05 kB to 9 kB), 70 µL (2)

[1]SYBR is a trademark of the Life Technologies Corporation. SYBR Green II RNA gel stain is not available for resale.



Overlaid ssRNA ladder electropherograms to compare separation at different temperatures. The capillary cartridge temperatures tested included 25°C, 30°C, 35°C and 40°C, from the lowest to the highest electropherogram.

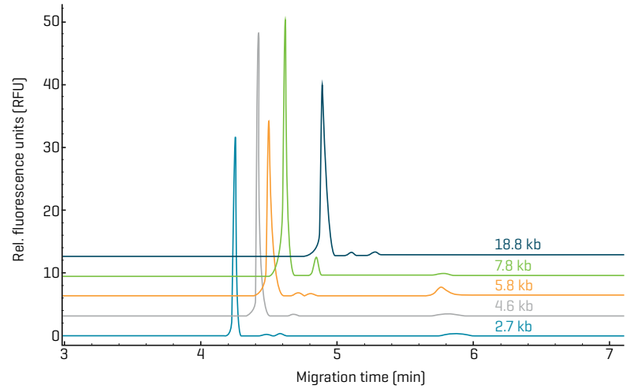
P/N 5311708 **DNA 20 kb Plasmid and Linear kit**

The DNA 20 kb Plasmid and Linear kit is used to do isoform and purity analysis of plasmid and linearized dsDNA. This kit supplies high analytical resolution and can be used to analyze a wide range of linear double-stranded DNA fragments or plasmid isoforms. Plasmid isoforms from 2,000 bp to 19,000 bp can be separated, including super coiled, linear, and open circular species. The kit can do size estimation and purity analysis for linear dsDNA samples from 100 bp to 20,000 bp.

This kit provides reagent volumes for analysis of 200 samples and includes:

- Acid Wash/regenerating solution (0.1N HCl), 100 mL (1)
- CE Grade water, 140 mL (1)
- DNA 20 kb Plasmid and Linear conditioning solution, 135 mL (1)
- DNA 20 kb Plasmid and Linear gel, 135 mL (1)
- DNA 20 kb Plasmid and Linear sample buffer, 55 mL (1)
- SYBR™ Gold Nucleic Acid gel stain1, 120 µL (6)
- DNA 20 kb Plasmid test mix, 800 ng in 20 µL (6)

[1]SYBR™ is a trademark of the Life Technologies Corporation. SYBR™ Gold Nucleic Acid gel stain is not available for resale.



A wide range of pDNA purity and isoform analysis utilizing the DNA 20 kb Plasmid and Linear kit on the BioPhase 8800 system.

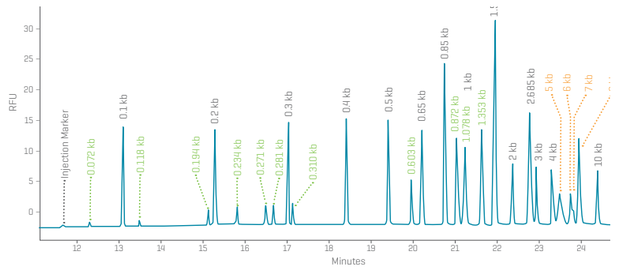
Comparison of the cIEF separation profiles of the NIST monoclonal antibody charge variants between capillary A of the BioPhase 8800 system (lower trace) and the single capillary PA 800 Plus system (upper trace).

Nucleic acid analysis kits

P/N 477410 dsDNA 1000 kit
The dsDNA 1000 kit is designed for use on the PA 800 Plus system and contains the supplies necessary to perform a high-performance separation and analysis of double-stranded DNA (dsDNA) fragments. A linear relationship between migration time and number of base pairs can be obtained from dsDNA fragments in the range of 100 to 1,000 base pairs. In addition, this kit can be used for analysis of dsDNA fragments with sizes up to 15,000 base pairs through dilution of the gel, which can be found in technical notes on www.sciex.com. This kit is compatible with both UV and laser-induced fluorescence (LIF) detection. It is not compatible with PDA detection.
For LIF applications, the dsDNA 1000 LIF EnhanCE dye is recommended and sold separately (P/N 477409).

This kit provides reagent volumes for the analysis of 100 samples and includes:

- DNA capillary, 71 cm x 100 µm ID, 2 units
- dsDNA 1000 gel buffer, 3 units
- dsDNA 1000 test mix, 2 vials x 10 µL
- Orange G reference marker, 1 mL

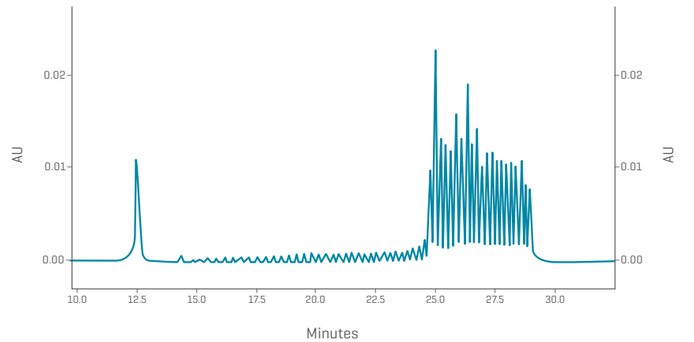


Example of successful separation and sizing of restriction fragments of virus and plasmid DNA using the dsDNA 1000 kit.

P/N 477480 ssDNA 100-R kit
The ssDNA 100-R kit is designed for use on the PA 800 Plus system and features coated capillaries, replaceable gel and standards to analyze single-stranded DNA (ssDNA) with linearity from 10 bases to 100 bases. This kit utilizes UV for detection and is not compatible with the PDA detector.

This kit provides reagent volumes for the analysis of 100 samples and includes:

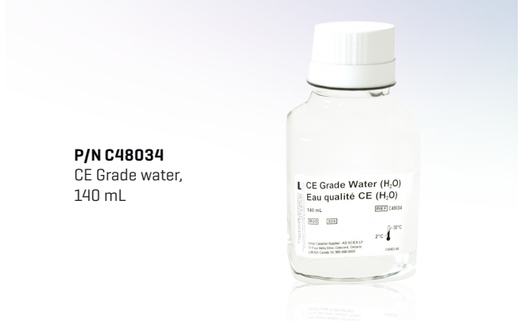
- DNA capillary, 71 cm x 100 µm ID, 2 units
- ssDNA 100-R gel, 1 unit, 1 g
- Tris-borate buffer, 1 unit
- 7M urea, 1 unit
- ssDNA test mix, pd(A) 40-60, 0.2 O.D.



Separation of the ssDNA 100-R test mix, pd(A) 40-60, utilizing the ssDNA 100-R gel.

Nucleic acid analysis kits

Nucleic acid analysis components	
P/N 5308349	Nucleic acid extended range gel multi-pack, 140 mL (4)
P/N C48034	CE Grade water, 140 mL
P/N 608082	Sample loading solution, 6 mL
P/N 477477	DNA capillary, 71 cm x 100 µm ID
P/N 477415	dsDNA 1000 gel pack, capillaries and reference marker
P/N 477628	dsDNA 1000 gel pack, 3 pack
P/N 477414	dsDNA 1000 test mix, 2 vials x 10 µL
P/N 477409	dsDNA 1000 LIF EnhanCE dye
P/N 477621	ssDNA 100-R gel pack, 1 g each
P/N 338481	ssDNA 100-R buffer kit - tris-borate buffer, 100 mL (2), 7M urea (2)
P/N 5312349	Acid wash/regenerating solution (0.1N HCl), 100 mL
P/N 5312283	DNA 20 kb Plasmid and Linear separation pack



P/N C48034
CE Grade water, 140 mL

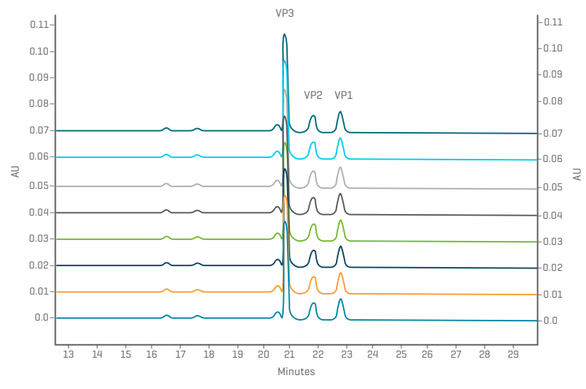
Size and purity analysis kits

P/N 390953 SDS-MW Analysis kit

The SDS-MW Analysis kit is designed for use on the PA 800 Plus system and is used for the separation and sizing of protein-SDS complexes using a replaceable gel matrix. The gel is formulated to provide an effective protein sieving range of approximately 10 kDa to 225 kDa. Within this size range, the logarithm of protein molecular mass is linear with its reciprocal electrophoretic mobility, allowing the molecular weight (MW) of an unknown protein to be estimated from a standard curve of known protein sizes. This chemistry can also be used to effectively quantify the amount of protein and to determine the purity of a protein product.

This kit provides reagent volumes for analysis of 100 samples and includes:

- Bare fused silica capillary, 69.5 cm x 50 µm ID, 2 units
- SDS gel separation buffer, 140 mL
- SDS sample buffer, 100 mM Tris-HCl, pH 9.0/1% SDS, 50 mL
- MW sizing standard (10 kDa to 225 kDa), 16 mg/mL, 100 µL
- 10 kD internal standard, 5 mg/mL, 0.4 mL
- Acidic wash solution, 0.1 N HCl, 100 mL
- Basic wash solution, 0.1 N NaOH, 100 mL



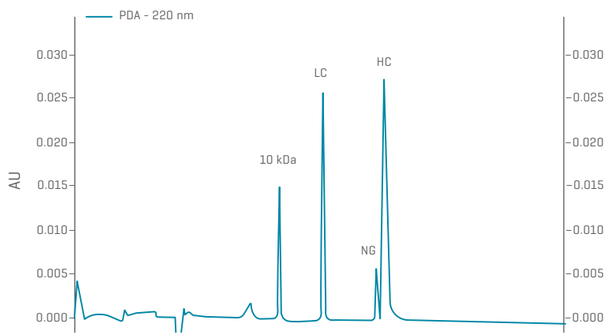
Eight consecutive injections of an AAV8 sample with estimated titer at 8×10^{13} GC/mL.

Size and purity analysis kits

P/N A10663 IgG Purity and Heterogeneity kit
The IgG Purity and Heterogeneity kit is designed for use on the PA 800 Plus system and is used to assess the purity and heterogeneity of IgG molecules in both a reduced and non-reduced state. The methodology involves heat denaturing a specified concentration of IgG (both reduced and non-reduced) in the presence of SDS. These products are separated using a replaceable gel matrix within a capillary for separation. This kit will detect impurities as low as 0.1% and includes an IgG control standard with a designated quantity of non-glycosylated heavy chain to test both the resolution and quantification suitability of the assay prior to running unknowns.

This kit provides reagent volumes for the analysis of 100 samples and includes:

- Bare fused silica capillary, 69.5 cm x 50 µm ID, 2 units
- SDS gel separation buffer, 140 mL
- SDS sample buffer, 100 mM Tris-HCl, pH 9.0/1% SDS, 50 mL
- IgG control standard, 1 mg/mL in SDS sample buffer, 1 mL
- 10 kD internal standard, 5 mg/mL, 0.4 mL
- Acidic wash solution, 0.1 N HCl, 100 mL
- Basic wash solution, 0.1 N NaOH, 100 mL



Electropherogram of IgG analysis using the PA 800 Plus system. Peaks: internal standard (10 kDa), light chain (LC), non-glycosylated heavy chain (NG), glycosylated heavy chain (HC).

Size and purity analysis components	
P/N A30341	SDS-MW gel buffer multi-pack, 140 mL (4)
P/N 391734	gG control standard, 3 pack, (1 mg/mL in SDS sample buffer, 1 mL each)
P/N A26487	10 kD internal standard, 400 µL
P/N A22196	MW sizing standard, 3 pack, (16 mg/mL, 100 µL each)
P/N C44807	Low pH SDS sample buffer, 140 mL
P/N C57805	Low pH phosphate SDS sample buffer, 140 mL
P/N C48034	CE Grade water, 140 mL
P/N 608114	Mineral oil, 5 mL
P/N 338451	Bare fused silica capillary, 69.5 cm x 50 µm ID (3 each)
P/N 5312349	Acid wash/regenerating solution (0.1N HCl), 100 mL
P/N 5314719	SDS Sample Buffer, 50 mL

P/N C48034
CE Grade water, 140 mL

P/N 391734
IgG control standard, 3 pack, (1 mg/mL in SDS sample buffer, 1 mL each)

P/N A22196
MW sizing standard, 3 pack, (16 mg/mL, 100 µL each)

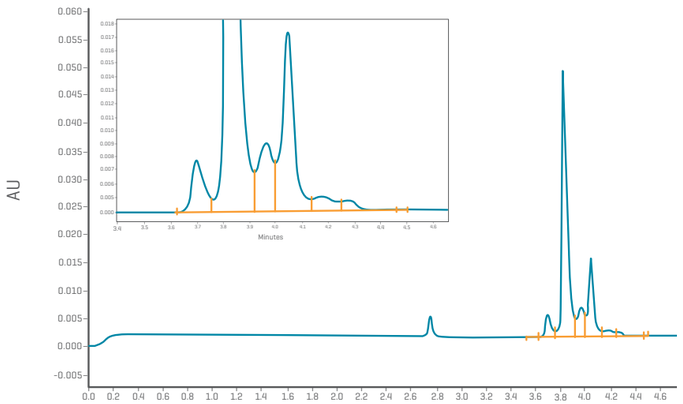
Charge heterogeneity analysis kits

P/N C44790 CZE Rapid Charge Variant Analysis kit

The CZE Rapid Charge Variant Analysis kit is designed for use on the PA 800 Plus system and provides all of the necessary reagents to analyze a molecule's charge variants based on its mobility. This method provides a fast, powerful separation to quantify charge variants with a buffer that serves as both a separation matrix and a 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 separation.

This kit provides reagent volumes for the analysis of 100 samples and includes:

- CZE rapid charge variant separation buffer, 125 mL
- Acid wash/regenerating solution, 100 mL
- CE Grade water, 140 mL
- Protein test mix, 1 vial



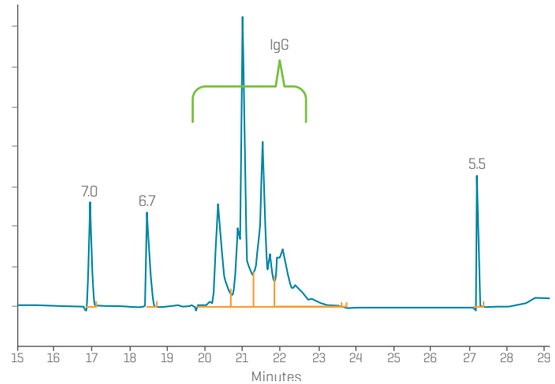
Full-view and zoomed electropherogram of Herceptin (trastuzumab) analyzed with the CZE Rapid Charge Variant Analysis kit.

P/N A80976 cIEF kit

This kit is designed for use on the PA 800 Plus system and allows for accurate determination of a protein's charge heterogeneity to establish the identity and stability of the molecule. Capillary isoelectric focusing (cIEF) is a powerful technique that allows quantitative analysis of a protein's isoelectric point (pI). In cIEF, a mixture of sample and ampholyte is introduced into a capillary and subjected to electrophoretic separation. In this process, a pH gradient is formed through which analytes migrate to their respective pI.

This kit provides reagent volumes for the analysis of 100 samples and includes:

- Neutral capillary, 67 cm x 50 µm ID, 1 unit
- cIEF gel, 100 mL
- cIEF peptide marker kit, 5 vials (240 µL each) of pI 4.1, pI 5.5, pI 7.0, pI 9.5 and pI 10.0
- Sample loading solution, 6.0 mL
- CE Grade water, 140 mL



cIEF separation method delivering high accuracy of pI markers coupled with extremely robust peak pI identifications of mouse IgG1 K.

Charge heterogeneity analysis kits

Charge heterogeneity analysis components	
P/N 477436	Protein test mix, 1 vial
P/N C48034	CE Grade water, 140 mL
P/N 608082	Sample loading solution, 6 mL
P/N A58481	cIEF peptide marker kit, 240 µL (5 vials)
P/N 477497	cIEF gel, 100 mL
P/N 477441	Neutral capillary, 67 cm x 50 µm ID
P/N 5312349	Acid wash/regenerating solution (0.1N HCl), 100 mL

P/N A58481
cIEF peptide marker kit, 240 µL (5 vials)

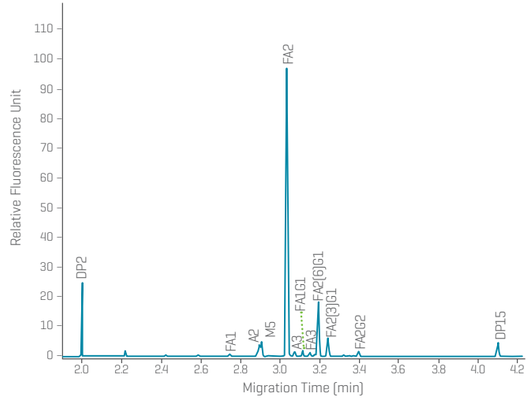
P/N C48034
CE Grade water, 140 mL

Glycan analysis kits

P/N B94499PTO Fast Glycan Labeling and Analysis kit
The Fast Glycan Labeling and Analysis kit for the PA 800 Plus system is used to rapidly label glycoprotein-released N-glycans with APTS followed by the effective removal of excess dye using a magnetic bead-based clean-up. The labeled glycans are separated by high-resolution capillary electrophoresis utilizing laser-induced fluorescence (LIF) detection and the HR-NCHO separation gel. Glycan identification is determined based on their normalized electrophoretic mobility referenced against predetermined GU values using the appropriate bracketing standard.

This kit provides reagent volumes for the analysis of 100 samples and includes:

- M1, 22 mL
- D1, 0.05 mL x 5 vials
- D2, 250 mM/50 µL dried x 5 vials
- D3, 1.5 mL x 1 vial
- D4, 1.5 mL x 2 vials
- L5, 5 mg x 1 vial
- L6, 5 mg x 5 vials
- GU ladder, 5 mg x 1 vial
- IST (internal standard), 5 mg x 1 vial
- BST (bracketing standard), 10 pmol x 1 vial
- HR-NCHO separation gel, 56 mL
- Magnetic separator, 1 unit
- Pre-assembled capillary cartridge (P/N A55625), 1 unit



Adalimumab separated and identified 10 glycan species in <5 minutes.

Glycan analysis kits

P/N 477600 Carbohydrate Labeling & Analysis kit
The Carbohydrate Labeling & Analysis kit is designed for use on the PA 800 Plus system and contains the reagents, buffers and capillaries required to label, separate and quantify oligosaccharides and monosaccharides released from glycoproteins. After enzymatic or chemical release, sugars are labeled with a fluorophore (APTS) at the reducing termini by reductive amination. The stoichiometry of labeling is such that only one APTS molecule is attached to each molecule of oligosaccharide. These highly charged and fluorescent oligosaccharides are easily resolved in an electric field and detected by laser-induced fluorescence (LIF) detection.

This kit provides reagent volumes for the analysis of 100 samples and includes:

- Carbohydrate separation buffer, 56 mL
- N-CHO coated capillary, 80 cm x 50 µm ID, 2 units
- Labeling dye (APTS), 4 x 5 mg
- Labeling dye solvent, 1 mL
- Glucose ladder standard, 50 mg
- Quantification/mobility marker (maltose), 0.18 mg
- APTS-M (monosaccharide-grade), 20 mg

Glycan analysis components	
P/N 477623	N-linked carbohydrate separation buffer, 56 mL
P/N 477601	N-CHO capillary, 80 cm x 50 µm ID
P/N 501309	Labeling dye (APTS), 2 x 5 mg

P/N 477623
N-linked carbohydrate separation buffer, 56 mL

P/N 501309
Labeling dye (APTS), 2 x 5 mg

Miscellaneous

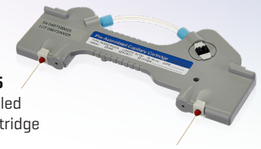
Miscellaneous components	
P/N 477427	Tris buffer, 50 mM, pH 8.0, 100 mL
P/N 338426	Capillary Performance Run Buffer A, 50 mL
P/N 501333	Performance Test Mix B, 20 mL
P/N 338424	Capillary regenerator solution A, 50 mL
P/N 338437	Capillary performance test kit
P/N 726022	LIF Performance Test Mix, 20 mL
P/N 5312349	Acid wash/regenerating solution (0.1N HCl), 100 mL

P/N 338424
Capillary regenerator solution A, 50 mL

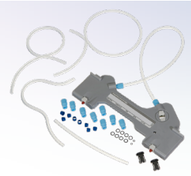
P/N 501333
Performance Test Mix B, 20 mL

Cartridges	
P/N A11147	30 cm semi-built cartridge (no capillary)
P/N A55625	Pre-assembled capillary cartridge
P/N 144738	Cartridge assembly, capillary packaged. This item contains the cartridge body, 100 µm x 800 µm aperture, 100 µm x 200 µm aperture, tubing kit, nuts, ferrules and O-rings to assemble your own capillary cartridge. This item works with all capillary offerings from SCIEX (sold separately)
P/N 144645	Cartridge rebuild kit. This item contains the capillary cutting length template, cleaving stone, rebuild instructions, O-rings, installation tool and tweezers. This item works with all capillary offerings from SCIEX (sold separately). The cartridge body is also sold separately

P/N A55625
Pre-assembled capillary cartridge



P/N 144738
Cartridge assembly, capillary packaged



Coated capillaries	
P/N 477477	DNA capillary, 71 cm x 100 µm ID
P/N 477441	Neutral capillary, 67 cm x 50 µm ID
P/N 477601	N-CHO capillary, 80 cm x 50 µm ID

Capillaries (pre-burned window)	
P/N 338475	Bare fused silica capillary, 38 cm x 20 µm, 3 pack
P/N 338451	Bare fused silica capillary, 69.5 cm x 50 µm, 3 pack
P/N 338454	Bare fused silica capillary, 70.5 cm x 75 µm, 3 pack

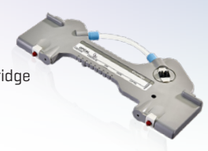
Capillaries (extended length)	
P/N 360800	Bare fused silica capillary, 112 cm x 75 µm, 3 pack
P/N 360801	Bare fused silica capillary, 112 cm x 50 µm, 3 pac
P/N 149053	Bare fused silica capillary, 115 cm x 100 µm, 3 pack

Capillaries (no pre-burned window)	
P/N 338472	Bare fused silica capillary, 5 m x 50 µm
P/N 338473	Bare fused silica capillary, 5 m x 75 µm
P/N 338474	Bare fused silica capillary, 5 m x 100 µm

P/N 477441
Neutral capillary, 67 cm x 50 µm ID

P/N 338451
Bare fused silica capillary, 69.5 cm x 50 µm ID, 3 pack

P/N A11147
30 cm built cartridge (no capillary)

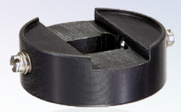


Miscellaneous

Cartridge accessories	
P/N 144689	Cartridge tubing
P/N 144717	Cartridge tubing, 100 cm
P/N 970297	O-ring for aperture
P/N 144866	Replacement cartridge clip with double seal for capillary entrance and exit (4 pack)
P/N 144873	Replacement cartridge clip with single seal for optics window (4 pack)
P/N 144711	Aperture 100 µm x 800 µm, 3 pack
P/N 144712	Aperture 100 µm x 200 µm, 3 pack
P/N 721126	LIF cartridge probe guide
P/N 721125	LIF cartridge aperture plug assembly
P/N A61216	External detector adapter kit
P/N 144660	Optical calibration (OPCAL) cartridge

P/N 144712
Aperture 100 µm x 200 µm (bag of 3)

P/N 721126
LIF probe guide assembly



P/N 144866
Replacement cartridge seals (capillary entrance and exit)

Labware	
P/N A62251	Universal vials, 100 pack
P/N A62250	Universal vial caps, 100 pack
P/N 144709	PCR microvials, 100 pack
P/N 5043467	NanoVials, 100 pack
P/N A94462	Sample vial tray, 6 x 6
P/N A94461	Sample vial tray, 6 x 8
P/N C04895	Sample vial tray holder assembly

P/N A62250
Universal vial caps, 100 pack

P/N 5043467
NanoVials, 100 pack

P/N A62251
Universal vials, 100 pack

Instrument accessories	
P/N A47775	Electrode assembly
P/N A95348	Insertion lever interface parts kit
P/N A59525	Electrode tool assembly
P/N 144647	Coolant fill tool
P/N 359976	Capillary cartridge coolant, 450 mL
P/N 144667	Deuterium (D2) lamp

P/N A47775
Electrode assembly

P/N 359976
Capillary cartridge coolant, 450 mL

Miscellaneous

UV filters	
P/N 144430	UV filter 200 nm
P/N 144431	UV filter 210 nm
P/N 144437	UV filter 214 nm
P/N 144432	UV filter 220 nm
P/N 144433	UV filter 230 nm
P/N 144438	UV filter 254 nm
P/N 144434	UV filter 260 nm

P/N A59525
Tool assembly, electrode

P/N 144430
Filter, 200 nm

LIF filters	
P/N 144941	Filter notch LIF 488 nm
P/N 144940	Filter emission band pass 520 nm
P/N 149068	Filter emission band pass 560 nm
P/N 144942	Filter emission band pass 655 nm

P/N 144438
Filter, 254 nm

P/N 144940
Filter, 520 nm

P/N 144941
Filter, 488 nm

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