High Performance Separation - ESI Module
Product Ordering Information

Extending the Reach of Mass Spectrometry

The CESI 8000 Plus High Performance Separation - ESI Module integrates Capillary Electrophoresis (CE) with Electrospray Ionization (ESI) into a single dynamic process within the same device. This results in increased coverage from limited samples; high-resolution separation of polar analytes and critical PTMs; and In-depth characterization of proteoforms and protein complexes.

Part No. **Product Description and Notes**

A98089 **CESI 8000 High Performance Separation- ESI Module Sales Group**
The CESI 8000 Plus High Performance Separation-ESI Module consists of the first commercial CESI sprayer combined with new capillary electrophoresis instrumentation specifically designed for mass spectrometry (MS). CESI combines an intrinsically low flow CE separation with electrospray ionization (ESI) within a capillary in which the electrophoretic separation and the ESI are integrated in a single dynamic process. This gives researchers a robust, high-sensitivity interface of capillary electrophoresis (CE) with mass spectrometry (MS) while providing a broad range of analyte coverage that is orthogonal to LC-MS and GC-MS. CE works at its best with polar and charged analytes such as small molecules, very small and large peptides often in less injection-to-injection time than LC-MS. Molecules frequently missed or altogether undetectable by technologies, like reversed phase LC-MS, now become visible.

The CESI 8000 Plus High Performance Separation-ESI Module includes:
- High-resolution Separation-ESI Module with sample storage temperature control (4 - 60°C) and capillary temperature control (15 - 30°C)
- Portable height adjustable electric lab bench
- System controller pre-loaded with CESI 8000 software
- System application guide
- System start-up reagents, installation and basic training

B68372 **PhotoDiode Array Detector Upgrade**
Upgrade Kit for CESI 8000 Plus.

A59494 **Packaged Laser Module Upgrade Kit, 488nm, Single Color**
Includes 488nm solid-state laser module and LIF detector.

1) CESI 8000 Plus Labware and Supplies

Capillary Cartridge and Supplies - CESI-MS

B07367 **Silica Surface Cartridge, 30 µm ID x 90 cm total length, OptiMS**
The OptiMS Silica Surface Cartridge is used in CESI 8000 Plus High Performance Separation - ESI Module. It consists of a CESI cartridge coupled with the OptiMS sprayer protective housing. The assembly includes temperature controlled separation capillary (30 µm ID x 90 cm total length).

B07368 **Neutral Surface Cartridge**
The OptiMS Silica Surface Cartridge is used in CESI 8000 Plus High Performance Separation - ESI Module. It consists of neutral capillary assembled into a CESI cartridge coupled with the OptiMS sprayer protective housing. The assembly includes temperature controlled separation capillary (30 µm ID x 90 cm total length).

Miscellaneous Supplies for the CESI 8000 Plus

B07363 **OptiMS Adapter for AB SCIEX Nanospray III source**
This unique adapter is used to establish the mechanical and electrical interface between the OptiMS Assembly and the AB Sciex mass spectrometry source.

B07366 **OptiMS Adapter for Thermo Nanospray II MS Source**
This unique adapter is used to establish the mechanical and electrical interface between the OptiMS Assembly and the Thermo mass spectrometry source.

B11648 **Vial, CESI (pkg of 100)**
CESI-MS Molded Vials are used in conjunction with CESI-MS Molded Caps (Part Number B24699) and can accommodate buffers/samples and retain micro-vials. These polymethylpentene vials are precision manufactured and have been compatibility tested with commonly used CE reagents. CESI-MS vials are designed for use only with CESI 8000 Plus module and should not be reused.

5043467 **nanoVial (pkg 100)**
New!
The nanoVial is a small sample volume vial for use with CESI-MS caps (B24699) or PA 800 Plus caps (A62250). These vials are precision manufactured from polymethylpentene and allow hydrodynamic or electrokinetic introduction of material from as little as 5 μl of sample. nanoVials are designed for use on the CESI 8000 Plus, PA 800 Plus, and the P/ACE MDQ Plus instruments and should not be reused.

B24699 **Cap, CESI (pkg 100)**
CESI-MS Molded Caps are used in conjunction with CESI-MS Molded Vials (Part Number B11648). CESI-MS Caps are designed for use only with CESI 8000 Plus module and should not be reused.

144709 **PCR Vials (Bag of 100)**
Microvials can be used as vial inserts for small volume sample introduction into the CESI 8000 Plus, PA 800 series, and P/ACE™ MDQ systems. Microvials fit into Universal Vials (A62251).

A94462 **Vial Holder Assembly, 6x6**
Buffer vial trays accommodate up to 36 vials (Part Number B11648 & A62251) at a time. The trays feature a locking mechanism that help retain the universal vials in place. This vial tray is designed for use only with CESI 8000 Plus, PA 800 Enhanced or PA 800 Plus instruments.

A94461 **Vial Holder Assembly, 6x8**
Sample vial trays accommodate up to 48 vials (Part Number B11648 & A62251) at a time. The trays feature a locking mechanism that helps retain the universal vials tightly in place. This vial tray is designed for use only with CESI 8000 Plus, PA 800 Enhanced or PA 800 Plus instruments.

A58814 **Sample Vial Tray Holder Assembly**
The sample vial tray holder is designed to accommodate the 48 sample capacity vial tray (P/N A94461) and can be stored in the instrument sample cooler. This vial tray is designed for use only with CESI 8000 Plus, PA 800 Enhanced or PA 800 Plus instruments.

A47775 **Electrode Assembly**
The electrode has a PEEK sleeve adding strength and rigidity. It features a snap-in design for easy removal and replacement. The platinum electrode is for use only with CESI 8000 Plus, PA 800 Enhanced or PA 800 Plus instruments.

A59525 **Tool Assembly, Electrode**
This tool is designed to facilitate removal and replacement of CESI 8000 Plus, PA 800 Enhanced and PA 800 Plus electrodes (P/N A47775).

A95348 **Insertion Lever Interface Parts Kit**
The vial cap opener assembly contains two vial cap openers and syringes allowing precision alignment and pressure sealing between vial caps and the separation interface. This component also provides protection for both capillary and electrode during instrument use. This vial cap opener is for use only with CESI 8000 Plus, PA 800 Enhanced or PA 800 Plus instruments.

359976 **Coolant, Capillary Cartridge, 450 ml**

144647 **Tool, Fill Coolant**

2) Training

B27645 **CESI 8000 Plus Customer Basic Training Course**

(First set of training is included with instrument purchase)

One day formal customer training course brought to your Laboratory. Includes basic user operation and maintenance for minimum of three to maximum of six trainees.

Pharmaceutical Analysis System Product Ordering Information

Automated and Quantitative Analysis of Biologics

The PA 800 Plus Pharmaceutical Analysis System was designed in collaboration with biopharmaceutical development and QC groups. This platform provides analysts with robust and easy-to-use characterization, integrating quantitative, qualitative and automated solutions for protein purity, charge isoform distribution and glycan analysis. During the design of the PA 800 Plus, emphasis was put on assay portability, enhancing the overall system utility in multi-user, multi-instrument facilities enterprises. The PA 800 Plus can provide front-end separation and introduction of these proteins to mass spectrometry and also be used to characterize proteins, ions, and other molecules in solution.

Part No.	Product Description and Notes

A66528 **PA800 Plus Pharmaceutical Analysis System Salesgroup**

The PA 800 Plus Pharmaceutical Analysis system provides a comprehensive, automated, and quantitative solution for the characterization and analysis of proteins. Innovative system design ensures dependable operation and durability. The PA 800 Plus application menu includes SDS-gel molecular weight analysis, IgG Purity and Heterogeneity analysis, charge heterogeneity analysis utilizing advanced capillary isoelectric focusing, and carbohydrate profiling for the assessment of glycoprotein microheterogeneity.
Modular detector design provides for the simple interchange of detectors.

The PA 800 Plus System includes:
- High-resolution separation module
- High-sensitivity UV, PDA, and solid-state laser-induced fluorescence detection
- Sample storage temperature control
- High-speed system controller with 32 Karat™ Version 10.1 on Win7
- Validated applications for SDS-MW, cIEF, and glycan analysis
- Starter kit containing necessary hardware supplies to operate the system
- Installation Qualification and Operation Qualification of the system
- System application installation and training

Part number A81010 must be ordered with this part number for installation.

A66527 **PA800S *plus* Pharmaceutical Analysis System Salesgroup**

A subset of the The PA 800 Plus Pharmaceutical Analysis system, the PA 800s plus provides an automated and quantitative solution for the analysis of protein purity and molecular weight utilizing SDS-gel capillary electrophoresis and IgG Purity and Heterogeneity applications. The innovative system design ensures dependable operation and durability.
Additional detectors are available for future upgrades.
- High-resolution separation module
- High-sensitivity PDA detection
- Sample storage temperature control
- High-speed system controller with 32 Karat™ Version 10.1 on Win7
- Validated applications for SDS-MW and IgG Purity and Heterogeneity
- Starter kit containing necessary hardware supplies to operate the system
- Installation Qualification and Operation Qualification of the system
- System application installation and training

Part number A81111 must be ordered with this part number for installation.

1) PA 800 Plus Start-Up Chemistry

A81010 **PA800 Plus Start-up Chemistry**

Supporting chemistry for the PA 800 Plus application menu.
The Pharmaceutical Start-Up Chemistry includes:

- Advanced cIEF Starter Kit
- SDS-Gel MW Analysis Kit
- Carbohydrate Labeling and Analysis Kit
- Test Mix B
- Fluorescein Test Mix

A81111 **PA800S *plus* Start-up Chemistry**

Supporting chemistry for the PA 800s *plus* application menu required for system installation and start-up.
The Start-Up Chemistry includes:

- SDS-Gel MW Analysis Kit
- Test Mix B

2) PA 800 Plus Software Upgrade

B25466 **PA 800 Plus Windows 7 Upgrade (controller unit and license not included)**

Includes Software image*, 32 Karat v10.1 SW, hardware license, 2Gb RAM, documentation, installation.

B27889 **PA 800 Plus Windows 7 Workstation Upgrade (license not included)**

Includes new M81 (or later) workstation with preloaded software* and installation.
*End users furnish existing USB 32 Karat v9.x software license.

A65879 **SOFTWARE KEY REPROCESSING PA-800 PLUS SOFTWARE**

USB Key for reprocessing data files from 32 Karat versions 8, 9 and 10.

3) PA 800 Plus Detector Upgrades

969136 **IEF Upgrade Module for the PA 800 and PA 800 Plus Series**

Includes UV detector, upgrade kit, and isoelectric focusing kit.

A59494 **Packaged Laser Module Upgrade Kit, 488nm, Single Color**

Requires a PA 800s *plus* or a PA 800s *Enhanced* Pharmaceutical System.
Includes a solid-state 488 laser and LIF detector module.

A59493 **Laser Module, 488nm, Single Color LIF Upgrade Kit, Packaged**

Requires a PA 800 Plus or PA 800 Enhanced Instrument with existing LIF detector. Includes only the 488 nm solid-state laser.

144951 **LIF 2 Color Upgrade Kit**

Kit for conversion of single-wavelength LIF detector to dual-wavelength optics for existing P/ACE™ MDQ or PA 800 series users. Filters sold separately.

4) PA 800 Plus Pharmaceutical System Reagents

Protein Analysis

390953 **PROTEOMELAB(TM) SDS-MW ANALYSIS KIT**

The SDS-Gel MW Analysis Kit is designed 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 to 225 kDa. Within this size range, the logarithm of protein molecular mass is linear with its reciprocal electrophoretic mobility, allowing the molecular weight 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 includes:

- Separation Capillary, 57 cm x 50 µm ID, bare fused-silica, (2)
- SDS Gel Separation Buffer, 140 mL
- SDS Sample Buffer, 100 mM Tris-HCl, pH 9.0/1% SDS, 50 mL
- SDS Protein Sizing Standard (10 to 225 kDa), 16 mg/mL, 100 µL
- Internal Standard, 10 kDa protein, 5 mg/mL, 0.4 mL
- Acidic Wash Solution, 0.1 N HCl, 100 mL
- Basic Wash Solution, 0.1 N NaOH, 100 mL
- SDS-Gel MW Analysis Guide (1)

A10663 **IGG PURITY/HETEROOGENEITY ASSAY**

Includes IgG Control Standard 1-pack and all chemistries.

The IgG Purity/Heterogeneity Assay has been developed for researchers employed in industrial biotechnology who are developing and manufacturing IgG reagents for research, diagnostic and therapeutic use. This assay has been specified to assess the purity and heterogeneity of IgG reagents 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 and separating these proteins by size using high-resolution capillary gel electrophoresis technology. This assay will detect impurities as low as 0.1% and includes an IgG control with a designated quantity of non-glycosylated heavy chain to test both the resolution and quantitation suitability of the assay prior to running unknowns.

Assay chemistry includes:

- Separation Capillary, 57 cm x 50 µm ID bare fused-silica, (2)
- SDS Gel Separation Buffer (proprietary formulation), 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
- Internal Standard, 10 kDa protein, 5 mg/mL, 0.4 mL
- Acidic Wash Solution, 0.1 N HCl, 100 mL
- Basic Wash Solution, 0.1 N NaOH, 100 mL
- IgG Purity and Heterogeneity Analysis Guide, (1)

5) SDS-MW and IgG Kit Components

A30341 **SDS-MW GEL BUFFER MULTI PACK**

391734 **IgG CONTROL, 3 PACK**

A26487 **10kD STANDARD KIT**

A22196 **MW, SIZING STANDARD, 3 PACK**

338451 **CAPILLARY, PRECUT 50U X 67 CM (3EA)**

50 µm ID, 375 µm OD, 67 cm total length/50 cm effective length (qty. 3).

477600 **CARB LABELING & ANALYSIS KT**

The Carbohydrate Labeling & Analysis Chemistry contains the reagents, buffers, and separation 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.

This includes:

- Carbohydrate Separation Buffer, 56 mL
- N-CHO Coated Capillary, (2)
- Labeling Reagents, (1)
  - Labeling Dye (APTS), 4 x 5 mg
  - Labeling Dye Solvent, 1 mL
  - Glucose Ladder Standard, 50 mg
  - Quantitation/Mobility Marker (Maltose), 0.18 mg
- APTS-M (monosaccharide-grade), 20 mg
- Carbohydrate Labeling and Analysis Guide, (1)

6) PA 800 Plus Pharmaceutical System Reagents

Carbohydrate Labeling and Analysis Chemistry Components

477623 **N-LINKED GEL BUFFER**

477601 **NCHO COATED CAPILLARY**

50 µm ID x 65 cm total length.

501309 **LABELING DYE (APTS) KIT, 2X5MG**

725898 **APTS-M (21MG)**

For monosaccharide analysis (21 mg).

A80976 **Advanced cIEF Starter Kit**

Accurate determination of a protein's charge heterogeneity helps establish identity and stability. 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 through which analytes migrate to their respective pI is formed. The PA 800 Plus Pharmaceutical Analysis System automates advanced cIEF technology necessary to successfully achieve high precision and quantitative separations. Use of optimized universal methods and synthetic pI markers attain the highest levels of precision in pI calculation and direct isoform quantitation with on-line UV detection. This includes:

- eCap Neutral Capillary
- cIEF gel
- pI peptide marker kit

NOTE: Additional reagents from other vendors are required for this application. Methods and necessary supplies can be referenced in the following AIBs, available for download at www.sciex.com:

- A-11634: Identification of System Parameters Critical for High-Performance cIEF
- A-12015: A Robust cIEF Method: Intermediate Precision for the pH 5-7 Range
- A-12026: High-Resolution cIEF of Therapeutic Monoclonal Antibodies: A Platform Method Covering pH 4-10

cIEF and pI Marker Chemistry Components

A58481 **cIEF Peptide Marker Kit**

pI Marker Kit features synthetic peptides for high resolution and quantitative reproducibility in calculating protein pI. The combination of the advanced cIEF methods, synthetic pI markers, and the PA 800 Plus system results in cIEF separations with the highest level of precision for pI determination and isoform quantitation of your sample. This includes:

• Five vials containing 240 µL each of peptides with the following pI values: pI 4.1, pI 5.5, pI 7.0, pI 9.5, pI 10.0.

This volume enables 100 cIEF runs.

477497 **cIEF GEL**

477441 **ECAP NEUTRAL CAP 50um ID X 67cm**

50 µm ID x 67 cm.

477445 **Protein Methods Development Kit**

The Protein Methods Development Chemistries contain coated capillaries, buffers, standards, and markers to allow you to optimize a separation method for the analysis of a broad spectrum of proteins by their mass/charge characteristics. The use of a “neutral” separation capillary minimizes the adsorption of proteins to the capillary surface and protects against hydrophobic interactions with the surface, improving the overall efficiency and resolution of the proteins being separated.

This includes:

- Neutral Capillary, 50 µm, (1)
- Orange G Reference Marker, 0.1% aqueous solution, 1 mL
- Histamine Reference Marker, 1% aqueous solution, 1 mL
- Citrate Buffer, pH 3, 50 mM, 100 mL
- Citrate/MES Buffer, pH 6, 50 mM, 100 mL
- Tricine Buffer, pH 8, 50 mM, 100 mL
- Protein Test Mix, (1)
  - Lysozyme, 1 mg
  - Ribonuclease A, 1 mg
  - Cytochrome C, 3 mg
- Methods Development Guide, (1)

Small Molecules

713350 **KIT, HS-G-CYCLODEX 5ML**

This is equivalent to part number A54282.

A50924 **Kit, Highly Sulfated-g-Cyclodextrins 20 % (w/v), 30 mL**

713333 **CAPILLARY COND SOL'N**

477422 **ECAP PHOS. BUFFER PH 2.5, 100mL PER BOTTLE**

338451 **CAPILLARY, PRECUT 50U X 67 CM (3EA)**

50 µm ID, 375 µm OD, 67 cm total length/50 cm effective length (qty. 3).

Ion Analysis

A53537 **Anion Analysis Kit**

The Anion Analysis Kit contains the supplies necessary for separation and quantitation of inorganic anions and organic acids using the P/ACE MDQ or PA 800 Plus capillary electrophoresis systems. Each kit yields approximately 500 tests.

This includes:
- Anion Coating, 38.5 mL
- Conditioner — Na, 38.5 mL
- Anion Acid Rinse, 38.5 mL
- Anion Internal Standard, 20 mL
- Anion Organic Test Mix, 3.5 mL
- Anion Inorganic Test Mix, 3.5 mL
- Capillaries, 50 cm, 75 µm ID, (3)
- Rinse Solution, 192.5 mL

Note: A 230-nm filter is not provided with the P/ACE MDQ system. It needs to be purchased separately and installed on the system as described in the User's Guide. The 230-nm filter is required for running the Anion Analysis Kit.

A53540 **Cation Analysis Kit**

The Cation Analysis Kit contains the supplies necessary for separation and quantitation of small inorganic cations and aliphatic amines using the P/ACE MDQ or PA 800 Plus capillary electrophoresis systems. Each kit yields approximately 500 tests.

This includes:
- Cation Coating A, 38.5 mL
- Cation Coating B, 38.5 mL
- Cation Separation Buffer, 115.5 mL
- Conditioner — Na, 38.5 mL
- Conditioner — Li, 38.5 mL

Contains cartridge body, 100 x 800 µm aperture, 100 x 200 µm aperture, tubing kit, nuts, 20 mL
- Cation Test Mix, 3.5 mL
- Capillaries, 50 cm, 75 µ ID, (3)
- Rinse Solution, 192.5 mL

7) PA 800 Plus Labware and Supplies

Capillary Cartridge and Supplies

A95348 **Insertion Lever Interface Parts Kit**

The vial cap opener assembly contains two vial cap openers and syringes allowing precision alignment and pressure sealing between vial caps and the separation interface. This component also provides protection for both capillary and electrode during instrument use. This vial cap opener is for use only with CESI 8000, PA 800 Enhanced or PA 800 Plus instruments.

A55625 **Pre-Assembled BFS Capillary Cartridge**

Cartridge assembly pre-assembled with a 30.2cm bare-fused silica capillary. Detection window is laser etched and capillary ends are precision cut ensuring the highest level of repeatability in assembly.
- Precision cut tips – ensure uniformity of injection plug from capillary to capillary
- Alignment precision at window – reduces potential failure due to misalignment
- Reduction in preparation time for operators – simplifying the process and training requirements.

144738 **Cartridge Assembly, Capillary Packaged**
Contains cartridge body, 100 x 800 µm aperture, 100 x 200 µm aperture, tubing kit, nuts, ferrules, and O-rings.

144645 **Cartridge Rebuild Kit**
Contains capillary length template, cleaving stone, rebuild instructions, O−rings, installation tool, and tweezers.

144689 **Kit, Cartridge Tubing**
Consists of 20, 30, 40, and 50 cm lengths of heat-formed tubing and all connectors.

970297 **O-RING FOR APERTURE**

144717 **CARTRIDGE TUBE KIT, 100CM**
Cartridge coolant tubing (100 cm total length).

144866 **REPL. CARTRIDGE CLIP W/DUAL SCAL(4**
Replacement red cartridge seals for sealing around capillary entrance and exit.
Suitable for use with 150-mm capillaries and all cartridge types.

144873 **REPL. CARTRIDGE CLIP W/SNGL SEAL(4**
Seals around optics window.

144711 **APERTURE 100 X 800 (BAG OF 3)**

144712 **APERTURE 100 X 200 (BAG OF 3)**

721125 **LIF Cartridge Aperture Plug Assembly**
Requires LIF Cartridge Probe Guide part number 721126. This part is included in LIF Upgrade Kits.

721126 **Probe Guide Assembly, Service Replacement**
Requires LIF Cartridge Aperture Plug Assembly 721125. This part is included in LIF Upgrade Kits.

149044 **CAPILLARY CARTRIDGE CE/MS (WHITE)**

144829 **Cartridge Assembly, EDA Pack**
New EDA cartridge with all tubing, clips, seals, etc., and the adapter couplings. Cartridge is detector bypass type.

A61216 **KIT, EXTERNAL DETECTOR, STD CARTRIDGE**
This adapter enables connection to a mass spectrometer. Includes adapter and tubing but no cartridge. Used with part number 144738.

144834 **EDA Tubing Kit**
Precut EDA tubing, nuts, O-rings, and ferrules.

144660 **Cartridge, Optical 100 X 800U**
A blank cartridge used to calibrate the PDA detector.

A47922 **Kit, Cartridge Plug & Clip, Plugged**

Capillaries

eCAP™ Capillaries (Pre-Burned Windows)

Install in Capillary Cartridges to perform separation and analysis of a variety of samples, including pharmaceuticals, industrial chemicals, chiral drugs, nucleic acids, amino acids, proteins, and peptides. Windows are pre-burned by laser and the capillaries can be trimmed to optimize the speed and resolution of the separation.

338475 **ECAP CAPLRY TUBING,27CM,20U ID, 3E**
338451 **CAPILLARY, PRECUT 50U X 67 CM (3EA)**
338454 **CAPILLARY, PRECUT, 75U X 50CM (3EA**
477477 **DNA CAPILLARY**
477431 **ECAP AMINE CAPI,50UMX65CM**
477441 **ECAP NEUTRAL CAP 50um ID X 67cm**
477601 **NCHO COATED CAPILLARY**

Extended-Length Capillaries

Used to interface SCIEX CE systems with mass spectrometers.

360800 **CAPILLARY 75 MICRON X 111CM PKG/3**
360801 **CAPILLARY 50 MICRON X 111CM PKG/3**
149053 **100CM 75UM CAPILLARIES (3 PK)**

Untreated Capillaries (No Pre-Burned Window)

338472 **CAPILLARY, 50U X 5 METER**
338473 **75U ID CAPILLARY, 5 METER LENGTH**
338474 **CAPILLARY 100U X 5 METERS**

8) Miscellaneous Supplies for the PA 800 Plus and the PA 800 Enhanced Pharmaceutical Systems

A62251 **Vial, Common, Molded, (bag of 100)**
Universal vials are used in combination with universal caps (part number A62250). Vials accommodate either run buffer or sample and can also accommodate MicroVials. Vials are precision manufactured from polymethylpentene and have been tested for chemical compatibility with commonly used CE reagents. Universal vials are manufactured for use only with PA 800 Enhanced or PA 800 Plus instruments and should not be reused.

A62250 **Universal Vial Cap, (qty. 100)**
Universal Vial Caps are used in combination with Universal Vials (Part Number A62251). Universal Vial Caps are designed for use only with PA 800 Plus or PA 800 Enhanced instruments and should not be reused.

144709 **PCR Vials (Bag of 100)**

A94462 **Vial Holder Assembly, 6x6**
Buffer vial trays accommodate up to 36 vials (Part Number B11648 & A62251) at a time. The trays feature a locking mechanism that help retain the universal vials in place. This vial tray is designed for use only with CESI 8000, PA 800 Enhanced or PA 800 Plus instruments.

A94461 **Vial Holder Assembly, 6x8**
Sample vial trays accommodate up to 48 vials (Part Number B11648 & A62251) at a time. The trays feature a locking mechanism that helps retain the universal vials tightly in place. This vial tray is designed for use only with CESI 8000, PA 800 Enhanced or PA 800 Plus instruments.

A58814 **Sample Vial Tray Holder Assembly**
The vial holder tray is designed to accommodate the 48 capacity vial tray (P/N A94461) and can be stored in the instrument sample cooler. This vial tray is designed for use only with the PA 800 Enhanced or PA 800 Plus instruments.

A47775 **Electrode Assembly**
The platinum electrode is compatible for use with the PA 800 Enhanced and PA 800 Plus systems. The electrode has a PEEK sleeve, adding strength and rigidity. It features a snap-in design for easy removal and replacement. The platinum electrode is for use only with PA 800 Enhanced or PA 800 Plus instruments.

A95348 **INSERTION LEVER INTERFACE PARTS KIT**
The vial cap opener assembly contains two vial cap openers and syringes allowing precision alignment and pressure sealing between vial caps and the separation interface. This component also provides protection for both capillary and electrode during instrument use. This vial cap opener is for use only with CESI 8000, PA 800 Enhanced or PA 800 Plus instruments.

A59525 **Tool Assembly, Electrode**

144647 **Tool, Fill Coolant**
Consists of syringe, coolant fill tool, and connecting tubing.

144667 **Kit, D2 Lamp Replacement**

144094 **Cable, Fiber Optic/DAD**

144093 **Cable Assembly, Fiber Optic UV**
For the PA 800 series and P/ACE MDQ.

721125 **LIF Cartridge Aperture Plug Assembly**
Requires LIF Cartridge Probe Guide P/N 721126. This part is included in LIF Upgrade Kits.

721126 **Probe Guide Assembly, Service Replacement**
Requires LIF Cartridge Aperture Plug Assembly P/N 721125. This part is included in LIF Upgrade Kits.

A65740 **Cable, Adapter Gpib to USB**
This cable allows control of the instrument via a USB connection instead of an internal GPIB board.

9) Filters for the PA 800 Plus, PA 800 and MDQ Systems

Purchase of a SCIEX CE system with UV detection includes 200, 214, 254 and 280 nm filters. Additional filters can be purchased for replacement or custom applications and are customer installed.

UV Filters

144430 **FILTER, 200NM**
A replacement filter that can be installed by the customer.

144431 **SCD, FILTER, 210NM**
A custom application filter that can be installed by the customer.

144437 **FILTER 214NM**
A replacement filter that can be installed by the customer.

144432 **FILTER, 220NM**
A custom application filter that can be installed by the customer.

144433 **FILTER, 230NM**
A custom application filter that can be installed by the customer.

144438 **FILTER 254NM**
A replacement filter that can be installed by the customer.

144434 **SCD, FILTER 260NM**
A replacement filter that can be installed by the customer.

144439 **FILTER 280NM**
A replacement filter that can be installed by the customer.

144435 **FILTER, 300NM**
A custom application filter that can be installed by the customer.

144436 **FILTER, 340NM**
A custom application filter that can be installed by the customer.

LIF Filters

144941 **Filter Notch 488NM**

144940 **Filter, Band Pass 520NM**

149068 **Filter Emission 560NM**

144942 **Filter,655NM**

10) Instrument Qualification

Instrument Certification

Assures regulatory agencies that instrumentation performs to SCIEX's published specifications. The Instrument Certification Program includes specially trained engineers, calibrated testing equipment traceable to national standards, comprehensive documentation, and re-certification after repair when necessary.

B20830 **PA 800 Plus OPERATIONAL QUAL. PROTOCOL 3**

11) Training

SCIEX offers comprehensive Capillary Electrophoresis courses designed to help you realize the maximum productivity of your SCIEX CE system. The comprehensive CE training is composed of three individual courses. These courses will be taught back to back over four days, providing you the option to select individual courses or attend all three courses together.

285614 **CE TRAINING - 4 DAYS**
This four-day course offers all CE training options.
• Day 1: Introduction to CE
• Days 2 and 3: 32 Karat Software
• Day 4: Troubleshooting CE Methods and Systems

Individual Courses

149844 **INTRO TO CAPILLARY ELECTROPHORESIS**
This one-day lecture course provides a sound theoretical basis for capillary electrophoresis and an overview of current chemistries and techniques.

149845 **TROUBLESHOOTING CE MTHDS & SYSTEMS**
In this one-day course, students will learn to troubleshoot methods and electropherogram problems, as well as common system problems. This class includes a troubleshooting workshop and hands-on system maintenance practice.

149846 **P/ACE STATION SOFTWARE OPERATION**
32 Karat Software Training is a two-day classroom experience, utilizing hands-on exercises designed to provide you with a solid foundation to acquire and analyze data effectively.

P/ACE™ MDQ Plus Capillary Electrophoresis System

Product Ordering Information 2016

The P/ACE MDQ Plus Capillary Electrophoresis System is a programmable and automated quantitative solution for the separation of charged and polar analytes in a mixture. Innovative system design ensures dependable operation and durability. Modular design provides for the simple interchange of detectors. Optional modular detectors are available for current or future needs.

The P/ACE MDQ Plus includes:

- High-resolution separation module
- High-sensitivity UV/Vis detector module
- High-speed system controller and with 32 Karat™ Software Version 10 running in a Win 7 environment providing instrument control, data acquisition and analysis
- 22" Flat Panel Display
- Built in auto-sampler and programmable array of 36 buffer pairs
- Automated programmable methods and sample handling capabilities for walk-away operation
- Programmable multimode sample introduction; electrokinetic, pressure or vacuum
- Programmable internal fluidic system generates pressure or vacuum from -5 to 100 psi
- Sample storage temperature control
- Exclusive circulating liquid cooling system that precisely regulates capillary temperature
- Direct control provides intuitive management of all system functions in real time
- Starter kit containing necessary hardware supplies to operate the system
- Filters: 200 nm, 214 nm, 230 nm and 254 nm
- Installation Qualification (IQ1) and Operation Qualification (OQ1) of the system
- System installation and training

Part Number 338437 Capillary Test Kit MUST be ordered - for system start-up at installation.

Part No.	Product Description and Notes

Instrument

B52521	**P/ACE MDQ Plus Capillary Electrophoresis UV/Vis System**

Detector Options

Diode Array Upgrade

B68372	**Diode Array Detector Upgrade Kit - for P/ACE MDQ Plus** Upgrade Kit for P/ACE MDQ Series Capillary Electrophoresis Systems. Programmable 0.5 - 32 Hz scan collection frequency from 190 - 600 nm. Consists of Modular Diode Array Detector, Interface Board and Optics cable.

Laser Upgrade

B67326 **Laser Module & LIF Detector, 488 nm SGL COLOR - for P/ACE MDQ Plus**

Upgrade Kit for P/ACE MDQ Plus Capillary Electrophoresis System. Includes a solid-state 488 nm Laser Module, LIF detector and optical cable. *Requires LIF Test Mix P/N 726022*

Requires P/N 726022 LIF Test Mix – for start-up at installation

B67327 **LIF 2 Color Upgrade Kit - for P/ACE MDQ Plus**
Kit for conversion of single-wavelength LIF detector to dual-wavelength optics.
Filters sold separately.

Application Kits

A wide variety of application kits have been developed to simplify and ensure rapid and successful implementation of the methods development process. Each kit contains the capillaries, buffers, standards and instructions for specific applications. These kits require the use of a Blank Cartridge Assembly Kit P/N 144738 and a Capillary Rebuilding Kit, P/N 144645.

Small Molecules

Highly Sulfated Cyclodextrin, Chiral Analysis Reagents

A highly successful chiral selector method for the analysis of a vast range of enantiomers.
Recommended for use only with SCIEX CE systems because of the high current running conditions.
Compatible with both UV and PDA detection.

713350 **Kit, Highly sulfated Gama-Cyclodextrin 5mL**
A50924 **Kit, Highly Sulfated Gama-Cyclodextrins 20 % (w/v), 30 mL**
713333 **Capillary Cond Sol'n**
477422 **ECAP Phos. Buffer PH 2.5, 100mL Per Bottle**
338451 **Capillary, Precut 50U X 67 CM (3 each)**
50 µm ID, 375 µm OD, 67 cm total length/50 cm effective length (qty. 3).

Ion Analysis

A53537 **Anion Analysis Kit**
The SCIEX Anion Analysis Kit contains the supplies necessary for separation and quantitation of inorganic anions and organic acids. Each kit yields approximately 500 tests.
This includes:

- Anion Coating - Qty 38.5 mL
- Anion Separation Buffer - Qty 115.5 mL
- Conditioner — Na - Qty 38.5 mL
- Anion Acid Rinse - Qty 38.5 mL
- Anion Internal Standard - Qty 20 mL
- Anion Organic Test Mix - Qty 3.5 mL
- Anion Inorganic Test Mix - Qty 3.5 mL
- Capillaries, 50 cm, 75 µm ID - Qty 3
- Rinse Solution - Qty 192.5 mL

The 230-nm filter is required for running the Anion Analysis Kit.
Note: The 200-nm filter is included with the MDQ Plus.
It is user installed on the system as described in the User's Guide.

A53540 **Cation Analysis Kit**

The SCIEX Anion Analysis Kit contains the supplies necessary for separation and quantitation of small inorganic cations and aliphatic amines. Each kit yields approximately 500 tests.

This includes:

- Cation Coating A - Qty 38.5 mL
- Cation Coating B - Qty 38.5 mL
- Cation Separation Buffer - Qty 115.5 mL
- Conditioner — Na - Qty 38.5 mL
- Conditioner — Li - Qty 38.5 mL
- Cation Internal Standard - Qty 20 mL
- Cation Test Mix - Qty 3.5 mL
- Capillaries, 50 cm, 75 µ ID - Qty 3
- Rinse Solution - Qty 192.5 mL

The 200-nm filter is required for running the Anion Analysis Kit.

Note: The 200-nm filter is included with the MDQ Plus.
It is user installed on the system as described in the User's Guide.

Nucleic Acids

eCAP™ dsDNA 1000 Kit

For DNA fragment pattern recognition, quantitation of PCR fragments, and molecular sizing on SCIEX CE Systems. Typical resolution for fragments less than 400 base pairs is 5-15. Molecular size determinations. linearity from 100 to 1000 base pairs. The kit includes a coated capillary and replaceable gel, test mix, and an internal standard to perform at least 100 runs.

This kit is compatible with both UV and LIF detection.
It is not compatible with PDA detection.

For LIF applications, eCAP™ EnhanCE intercalating dye is recommended. (P/N 477409)

477410 **SLGP,DSDNA 1000 KIT**

Reorder Components:

477477	DNA Capillary
477628	DS DNA 1000 Gel (Kit)
241524	ECAP SDS Reference Standard
477414	ECAP DSDNA 1000 Test Mix

FLUORESCENCE INTERCALATOR DYE

Fluorescence Intercalator Dye for use with dsDNA 1000 kit and LIF detection. Requires 488-nm Argon laser and 520-nm emission filter.

477409 **LIFLUOR DSDNA 1000 Enhance**

eCAP™ ssDNA 100-R Kit

For analysis of single-stranded DNA with linearity from 10 to 100 bases. Includes application disk, two coated capillaries, replaceable gel, and standards to perform at least 100 runs. UV detection is required to analyze unlabeled and standard oligonucleotides. Urea denaturant is included separately, enabling a naturing, replaceable gel, if desired.

This kit is not compatible with a PDA detector.

477480 **SSDNA Kit, 100R**

Reorder Components:

477477 DNA Capillary, 100 µm ID, 65 cm total length (quantity 1)
477621 ssDNA 100-R Gel Kit
477626 ssDNA 100-R Kit Test Mix Poly d(A), 40-60 Mer OligoNucleotides (Qty 0.2 O.D.)
338481 ssDNA 100 Buffer Kit Tris borate buffer (2), Urea, 7 M (2)

Methods Development Kit

The P/ACE™ MDQ Plus Methods Development Kit is designed to provide a starting point for the development of a capillary zone electrophoresis analysis of complex proteins, pharmaceuticals, or basic analytes. The kit includes both neutral (polyacrylamide-based) and amine-coated capillaries. Benzyl alcohol is included as a neutral EOF marker for the amine capillary, while histamine is used a a reference marker for the neutral capillary.

501310 **Method Development Kit**

Reorder Components:

477441 eCAP Neutral Capillary 50um ID X 67cm
477431 eCAP Amine Capillary, 50 um x 65 cm
477433 eCAP Amine Regenrator 25 ml
477427 eCAP Tris Buffer, PH 8.0
477436 eCAP Protein Test Mix

Buffers, Test Mixtures, and Reagents

477422 **eCAP Phos. Buffer PH 2.5, 100 mL Per bottle**

477427 **eCAP Tris Buffer, PH 8.0**

477444 **eCAP™ Tricine Buffer, 20mM, pH 8.0, 100mL**

338426 **RUN BUFFER A =>REFRIGERATE<=**

100 mM sodium borate, pH 8.3 (qty. 50 mL).

501333 **P/ACE MDQ Plus Performance Test Mix B**

338424 **Capillary Regenerator Solution A**

0.1 N sodium hydroxide (qty. 50 mL).

338437 **Capillary Test Kit**

726022 **LIF Test Mix <<Refrigerate>>**

Capillary Cartridges and Accessories

144738 **Cartridge Assembly, Capillary Packaged**

Contains cartridge body, 100 x 800 µm aperture, 100 x 200 µm aperture, tubing kit, nuts, ferrules, and O-rings.

144645 **Cartridge Rebuild Kit**

Contains capillary length template, cleaving stone, rebuild instructions, O−rings, installation tool, and tweezers.

970297 **O-Ring for Aperture**

144689 **Kit, Cartridge Tubing**

Consists of 20, 30, 40, and 50 cm lengths of heat-formed tubing and all connectors.

144717 **Cartridge Tube Kit, 100 cm**

Cartridge coolant tubing (100 cm total length).

144866 **Repl. Cartridge Clip w/dual scal(4**

Replacement red cartridge seals for sealing around capillary entrance and exit.
Suitable for use with 150 mm capillaries and all cartridge types.

144873 **Repl. Cartridge Clip w/sngl scal(4**

Seals around optics window.

144711	**Aperture 100 X 800 (Bag of 3)**
144712	**Aperture 100 X 200 (Bag of 3)**
721125	**LIF Cartridge Aperture Plug Assembly** Requires LIF Cartridge Probe Guide part number 721126. This part is included in LIF Upgrade Kits.
721126	**Probe Guide Assembly, Service Replacement** Requires LIF Cartridge Aperture Plug Assembly 721125. This part is included in LIF Upgrade Kits.
149044	**Capillary Cartridge CE/MS (White)**
144829	**Cartridge Assembly, EDA Pack** New EDA cartridge with all tubing, clips, seals, etc., and the adapter couplings. Cartridge is detector bypass type.
A61216	**KIT, EXTERNAL DETECTOR, STD CARTRIDGE** This adapter enables connection to a mass spectrometer. Includes adapter and tubing but no cartridge. Used with part number 144738.
144822	**EDA Adapter Capillary Kit** EDA capillary adapter body, adapter nuts, seals, fittings, and tubing kit. Used to make existing detector window cartridges into EDA. No cartridge included.
144834	**EDA Tubing Kit** Precut EDA tubing, nuts, O-rings, and ferrules.
144660	**Cartridge, Optical 100 X 800U** A blank cartridge used to calibrate the PDA detector.
A47922	**Kit, Cartridge Plug & Clip, Plugged**

Capillaries

eCAP™ Capillaries (Pre-Burned Windows)

Install in capillary cartridges to perform separation and analysis of a variety of samples, including pharmaceuticals, industrial chemicals, chiral drugs, nucleic acids, amino acids, proteins, and peptides. Windows are preburned by laser and the capillaries can be trimmed to optimize speed/resolution of the separation.

338475	**eCAP Capillary Tubing, 27 cm, 20 µm ID, 3E** 20 µm ID, 375 µm OD, 37 cm total length/20 cm effective length (qty. 3).
338451	**Capillary, Precut 50 µm X 50 cm (3 ea.)** 50 µm ID, 375 µm OD, 67 cm total length/50 cm effective length (qty. 3).
338454	**Capillary, Precut 75 µm X 50 cm (3 ea.)** 75 µm ID, 375 µm OD, 67 cm total length/50 cm effective length (qty. 3).
477477	**DNA Capillary**
477431	**eCAP Amine Capillary, 50 µm x 65 cm**
477441	**eCAP Neutral Capillary 50 µm ID x 67 cm** 50 µm ID x 67 cm.
477601	**NCHO Coated Capillary** 50 µm ID x 65 cm total length.

Extended-Length Capillaries

Used for interfacing SCIEX CE systems with mass spectrometers.

360800	**Capillary 75 µm x 111 cm Pkg/3**
360801	**Capillary 50 µm x 111 cm Pkg/3**
149053	**Capillary 75 µm x 100 cm Pkg/3**
149405	**CE-MS/MS Coolant Tubing Kit**

Bulk Capillaries Untreated, No Pre-Burned Windows

338472 **Capillary, 50 µm x 5 Meter**
5 meters in length, 50 µm ID, 375 µm OD.

338473 **Capillary, 75 µm x 5 Meter**
5 meters in length, 75 µm ID, 375 µm OD.

338474 **Capillary, 100 µm x 5 Meter**
5 meters in length, 100 µm ID, 375 µm OD.

MDQ Plus Labware and Miscellaneous Supplies

A62251 **Universal Vial, Molded, (bag of 100)**
Universal vials are used in combination with universal caps (part number A62250). Vials accommodate either run buffer or sample and can also accommodate MicroVials. Vials are precision manufactured from polymethylpentene and have been tested for chemical compatibility with commonly used CE reagents. Universal vials are single use only and should not be reused.

A62250 **Universal Vial Caps, Blue (quantity 100)**
Universal Vial Caps are used in combination with Universal Vials (Part Number A62251). Universal Vial Caps are designed for single use only and should not be reused.

144709 **PCR Vials (Bag of 100)**
Fits directly inside universal vials.

5043467 **nanoVial (pkg 100)**
The nanoVial is a small sample volume vial precision manufactured from polymethylpentene and allow hydrodynamic or electrokinetic introduction of material from as little as 5 ml of sample. nanoVials are designed for single use only and should not be reused.
For MDQ Plus use select universal caps P/N A62250.

A94462 **Vial Holder Assembly, 6x6 (Buffer)**
Buffer vial trays accommodate up to 36 vials (Part Number A62251 & B11648) at a time. The trays feature a locking mechanism that help retain the universal vials in place.

A94461 **Vial Holder Assembly, 6x8 (Sample)**
Sample vial trays accommodate up to 48 vials (Part Number A62251 & B11648) at a time. The trays feature a locking mechanism that helps retain the universal vials tightly in place.

A58814 **Sample Vial Tray Holder Assembly**
The vial holder tray is designed to accommodate the 48 capacity vial tray (P/N A94461) and can be stored in the instrument sample programable temperature controlled environment.

A47775 **Electrode Assembly**
The platinum MDQ Plus electrode has a PEEK sleeve, adding strength and rigidity. It features a snap-in design for easy removal and replacement.

A59525 **Tool Assembly, Electrode**
This tool is designed to facilitate removal and replacement of MDQ Plus electrodes (P/N A47775).

A95348 **Insertion Lever Interface Parts Kit**
The vial cap opener assembly contains two vial cap openers and syringes allowing precision alignment and pressure sealing between vial caps and the separation interface. This component also provides protection for both capillary and electrode during instrument use.

359976 **Coolant for Capillary Cartridge, 450 ml**

144647 **Tool, Fill Coolant**
Consists of syringe, coolant fill tool, and connecting tubing.

144667 **Kit, D2 Lamp Replacement**

144094 **Cable, Fiber Optic/DAD**

144093 **Cable Assembly, Fiber Optic UV**

721125 **LIF Cartridge Aperture Plug Assembly**
Requires LIF Cartridge Probe Guide P/N 721126. This part is included in LIF Upgrade Kits.

721126 **Probe Guide Assembly, Service Replacement**
Requires LIF Cartridge Aperture Plug Assembly P/N 721125. This part is included in LIF Upgrade Kits.

A65740 **Cable, Adapter GPIB to USB**
This cable allows control of the instrument via a USB connection instead of an internal GPIB board.

Filters for UV/Vis Detector and LIF Detector

Purchase of a SCIEX P/ACE MDQ Plus CE system with UV detection includes 200, 214, 230, and 254 nm filters. Additional filters can be purchased for replacement or custom applications and are customer installed.

UV Filters

144430 **Filter, 200 nm**
A replacement Filter that can be installed by the customer. (Included with MDQ Plus)

144431 **SCD, Filter, 210 nm**
A custom application filter that can be installed by the customer.

144437 **Filter 214 nm**
A replacement Filter that can be installed by the customer. (Included with MDQ Plus)

144432 **Filter, 220 nm**
A custom application filter that can be installed by the customer.

144433 **Filter, 230 nm**
A custom application filter that can be installed by the customer. (Included with MDQ Plus)

144438 **Filter 254 nm**
A replacement Filter that can be installed by the customer. (Included with MDQ Plus)

144434 **SCD, Filter 260 nm**
A replacement filter that can be installed by the customer.

144439 **Filter 280 nm**
A replacement filter that can be installed by the customer.

144435 **Filter, 300 nm**
A custom application filter that can be installed by the customer.

144436 **Filter, 340 nm**
A custom application filter that can be installed by the customer.

LIF Filters

144941 **Filter Notch 488 nm**

144940 **Filter, Band Pass 520 nm**

149068 **Filter Emission, 560 nm**

144942 **Filter, 655 nm**

Instrument Service Agreements and Qualification

Service Agreements

Service agreements are available to match needs and instrument configurations

Instrument Certification

B63192 **Operational Qualification 2 Protocol**

Legacy P/ACE™ MDQ
KITS, CHEMISTRY, CONSUMABLES & SUPPLIES

Product Ordering Information 2016

Application Kits

A wide variety of application kits have been developed to simplify and ensure rapid and successful implementation of the methods development process. Each kit contains the capillaries, buffers, standards and instructions for specific applications. These kits require the use of a Blank Cartridge Assembly Kit P/N 144738 and a Capillary Rebuilding Kit, P/N 144645.

Small Molecules

Highly Sulfated Cyclodextrin, Chiral Analysis Reagents

A highly successful chiral selector method for the analysis of a vast range of enantiomers. Recommended for use only with SCIEX CE systems because of the high current running conditions. Compatible with both UV and PDA detection.

713350	**Kit, Highly sulfated Gama-Cyclodextrin 5mL**
A50924	**Kit, Highly Sulfated Gama-Cyclodextrins 20 % (w/v), 30 mL**
713333	**Capillary Cond Sol'n**
477422	**ECAP Phos. Buffer PH 2.5, 100mL Per Bottle**
338451	**Capillary, Precut 50U X 67 CM (3 each)**
	50 µm ID, 375 µm OD, 67 cm total length/50 cm effective length (qty. 3).

Ion Analysis

A53537 **Anion Analysis Kit**

The SCIEX Anion Analysis Kit contains the supplies necessary for separation and quantitation of inorganic anions and organic acids. Each kit yields approximately 500 tests.

This includes:

- Anion Coating - Qty 38.5 mL
- Anion Separation Buffer - Qty 115.5 mL
- Conditioner — Na - Qty 38.5 mL
- Anion Acid Rinse - Qty 38.5 mL
- Anion Internal Standard - Qty 20 mL
- Anion Organic Test Mix - Qty 3.5 mL
- Anion Inorganic Test Mix - Qty 3.5 mL
- Capillaries, 50 cm, 75 µm ID - Qty 3
- Rinse Solution - Qty 192.5 mL

The 230-nm filter is required for running the Anion Analysis Kit.

A53540 **Cation Analysis Kit**

The SCIEX Anion Analysis Kit contains the supplies necessary for separation and quantitation of small inorganic cations and aliphatic amines. Each kit yields approximately 500 tests

This includes:

- Cation Coating A - Qty 38.5 mL
- Cation Coating B - Qty 38.5 mL
- Cation Separation Buffer - Qty 115.5 mL
- Conditioner — Na - Qty 38.5 mL
- Conditioner — Li - Qty 38.5 mL
- Cation Internal Standard - Qty 20 mL
- Cation Test Mix - Qty 3.5 mL
- Capillaries, 50 cm, 75 µ ID - Qty 3
- Rinse Solution - Qty 192.5 mL

The 200-nm filter is required for running the Anion Analysis Kit.

Nucleic Acids

eCAP™ dsDNA 1000 Kit

For DNA fragment pattern recognition, quantitation of PCR fragments, and molecular sizing on SCIEX CE Systems. Typical resolution for fragments less than 400 base pairs is 5-15. Molecular size determinations linearity from 100 to 1000 base pairs. The kit includes a coated capillary and replaceable gel, test mix, and an internal standard to perform at least 100 runs

This kit is compatible with both UV and LIF detection.
It is not compatible with PDA detection

For LIF applications, eCAP™ EnhanCE intercalating dye is recommended. (P/N 477409

477410 **SLGP,DSDNA 1000 KIT**

Reorder Components:

477477 DNA Capillary
477628 DS DNA 1000 Gel (Kit)
241524 ECAP SDS Reference Standard
477414 ECAP DSDNA 1000 Test Mix

FLUORESCENCE INTERCALATOR DYE

Fluorescence Intercalator Dye for use with dsDNA 1000 kit and LIF detection. Requires 488-nm Argon laser and 520-nm emission filter.

477409 **LIFLUOR DSDNA 1000 Enhance**

eCAP™ ssDNA 100-R Kit

For analysis of single-stranded DNA with linearity from 10 to 100 bases. Includes application disk, two coated capillaries, replaceable gel, and standards to perform at least 100 runs. UV detection is required t analyze unlabeled and standard oligonucleotides. Urea denaturant is included separately, enabling a naturing, replaceable gel, if desired.

This kit is not compatible with a PDA detector

477480 **SSDNA Kit, 100R**

Reorder Components:

477477 DNA Capillary, 100 µm ID, 65 cm total length (quantity 1)
477621 ssDNA 100-R Gel Kit
477626 ssDNA 100-R Kit Test Mix Poly d(A), 40-60 Mer OligoNucleotides (Qty 0.2 O.D.)
338481 ssDNA 100 Buffer Kit Tris borate buffer (2), Urea, 7 M (2)

Methods Development Kit

The Methods Development Kit is designed to provide a starting point for the development of a capillary zone electrophoresis analysis of complex proteins, pharmaceuticals, or basic analytes. The kit includes both neutral (polyacrylamide-based) and amine-coated capillaries. Benzyl alcohol is included as a neutral EOF marker for the amine capillary, while histamine is used a a reference marker for the neutral capillary.

501310 **Method Development Kit**

Reorder Components:

477441 eCAP Neutral Capillary 50um ID X 67cm
477431 eCAP Amine Capillary, 50 um x 65 cm
477433 eCAP Amine Regenrator 25 ml
477427 eCAP Tris Buffer, PH 8.0
477436 eCAP Protein Test Mix

Buffers, Test Mixtures, and Reagents

477422 **eCAP Phos. Buffer PH 2.5, 100 mL Per bottle**

477427 **eCAP Tris Buffer, PH 8.0**

477444 **eCAP™ Tricine Buffer, 20mM, pH 8.0, 100mL**

338426 **RUN BUFFER A =>REFRIGERATE<=**

100 mM sodium borate, pH 8.3 (qty. 50 mL).

501333 **Performance Test Mix B**

338424 **Capillary Regenerator Solution A**

0.1 N sodium hydroxide (qty. 50 mL).

338437 **Capillary Test Kit**

726022 **LIF Test Mix <<Refrigerate>>**

Capillary Cartridges and Accessories

144738 **Cartridge Assembly, Capillary Packaged**

Contains cartridge body, 100 x 800 µm aperture, 100 x 200 µm aperture, tubing kit, nuts, ferrules, and O rings.

144645 **Cartridge Rebuild Kit**

Contains capillary length template, cleaving stone, rebuild instructions, −rings, installation tool, and tweezers.

970297 **O-Ring for Aperture**

144689 **Kit, Cartridge Tubing**

Consists of 20, 30, 40, and 50 cm lengths of heat-formed tubing and all connectors.

144717 **Cartridge Tube Kit, 100 cm**

Cartridge coolant tubing (100 cm total length).

144866 **Repl. Cartridge Clip w/dual scal(4**

Replacement red cartridge seals for sealing around capillary entrance and exit.
Suitable for use with 150 mm capillaries and all cartridge types.

144873 **Repl. Cartridge Clip w/sngl scal(4**

Seals around optics window.

144711 **Aperture 100 X 800 (Bag of 3)**

144712 **Aperture 100 X 200 (Bag of 3)**

721125 **LIF Cartridge Aperture Plug Assembly**

Requires LIF Cartridge Probe Guide part number 721126. This part is included in LIF Upgrade Kits.

721126 **Probe Guide Assembly, Service Replacement**

Requires LIF Cartridge Aperture Plug Assembly 721125. This part is included in LIF Upgrade Kits.

149044 **Capillary Cartridge CE/MS (White)**

144829 **Cartridge Assembly, EDA Pack**

New EDA cartridge with all tubing, clips, seals, etc., and the adapter couplings.

Cartridge is detector bypass type.

A61216 **KIT, EXTERNAL DETECTOR, STD CARTRIDGE**

This adapter enables connection to a mass spectrometer. Includes adapter and tubing but no cartridg

Used with part number 144738.

144822 **EDA Adapter Capillary Kit**

EDA capillary adapter body, adapter nuts, seals, fittings, and tubing kit.

Used to make existing detector window cartridges into EDA. No cartridge included.

144834 **EDA Tubing Kit**

Precut EDA tubing, nuts, O-rings, and ferrules.

144660 **Cartridge, Optical 100 X 800U**

A blank cartridge used to calibrate the PDA detector.

A47922 **Kit, Cartridge Plug & Clip, Plugged**

Capillaries

eCAP™ Capillaries (Pre-Burned Windows)

Install in capillary cartridges to perform separation and analysis of a variety of samples, including pharmaceuticals, industrial chemicals, chiral drugs, nucleic acids, amino acids, proteins, and peptides. Windows are preburned by laser and the capillaries can be trimmed to optimize speed/resolution of the separation.

338475 **eCAP Capillary Tubing, 27 cm, 20 µm ID, 3E**

20 µm ID, 375 µm OD, 37 cm total length/20 cm effective length (qty. 3).

338451 **Capillary, Precut 50 µm X 50 cm (3 ea.)**

50 µm ID, 375 µm OD, 67 cm total length/50 cm effective length (qty. 3).

338454 **Capillary, Precut 75 µm X 50 cm (3 ea.)**

75 µm ID, 375 µm OD, 67 cm total length/50 cm effective length (qty. 3).

477477 **DNA Capillary**

477431 **eCAP Amine Capillary, 50 µm x 65 cm**

477441 **eCAP Neutral Capillary 50 µm ID x 67 cm**

50 µm ID x 67 cm.

477601 **NCHO Coated Capillary**

50 µm ID x 65 cm total length.

Extended-Length Capillaries

Used for interfacing SCIEX CE systems with mass spectrometers.

360800 **Capillary 75 µm x 111 cm Pkg/3**

360801 **Capillary 50 µm x 111 cm Pkg/3**

149053 **Capillary 75 µm x 100 cm Pkg/3**

149405 **CE-MS/MS Coolant Tubing Kit**

Bulk Capillaries Untreated, No Pre-Burned Windows

338472 **Capillary, 50 µm x 5 Meter**
5 meters in length, 50 µm ID, 375 µm OD.

338473 **Capillary, 75 µm x 5 Meter**
5 meters in length, 75 µm ID, 375 µm OD.

338474 **Capillary, 100 µm x 5 Meter**
5 meters in length, 100 µm ID, 375 µm OD.

Filters for UV/Vis Detector and LIF Detector

Filters for replacement or custom applications and are customer installed.

UV Filters

144430 **Filter, 200 nm**
A replacement Filter that can be installed by the customer.

144431 **SCD, Filter, 210 nm**
A custom application filter that can be installed by the customer.

144437 **Filter 214 nm**
A replacement Filter that can be installed by the customer.

144432 **Filter, 220 nm**
A custom application filter that can be installed by the customer.

144433 **Filter, 230 nm**
A custom application filter that can be installed by the customer.

144438 **Filter 254 nm**
A replacement Filter that can be installed by the customer.

144434 **SCD, Filter 260 nm**
A replacement filter that can be installed by the customer.

144439 **Filter 280 nm**
A replacement filter that can be installed by the customer.

144435 **Filter, 300 nm**
A custom application filter that can be installed by the customer.

144436 **Filter, 340 nm**
A custom application filter that can be installed by the customer.

LIF Filters

144941 **Filter Notch 488 nm**

144940 **Filter, Band Pass 520 nm**

149068 **Filter Emission, 560 nm**

144942 **Filter, 655 nm**

P/ACE™ MDQ Labware & Miscellaneous Supplies

144980 **Vial,Glass 425THD/100**
Reagent vials used for buffers and cleaning solutions.

144648 **Cap, Vial 2ML, 100 Pcs**
Used to seal 2-mL reagent vials, part number 144980.

A37326 **Cap, Vial 2ML, Open Bore, 100 Pcs**
Clear, open bore cap used to seal 2-mL reagent vials, part number 144980.

A79661 **PKGD, Vial Molded, PA800 Bag of Qty 100**
This precision-molded vial, manufactured from polymethylpentene thermoplastic, has been validated for protein characterization work, as well as for ion and chiral analysis. It is a higher-precision alternative to the 2-mL glass vial (part number 144980) and can be used with grey vial cap (part number 144656). This vial can also be used as a vial holder for the microvial in place of part number 144657. Please update your method to compensate for the smaller vial volume as needed.

144656 **Cap, Vial-PCR, Package of 50**
Used to seal both molded vial (P/N A79661) and also the sample vial holder (P/N 144657).

144709 **PCR VIALS (BAG OF 100)**

144657 **Holder, Vial (Package of 50 pcs)**
Required for use of MicroVials (qty. 50).
Universal Vial for the MDQ and PA 800 (P/N A79661) can be used in place of the Vial Holder.

358821 **SPRINGS, MICRO VIAL (PKG-10)**
Required for use of MicroVials.

970668 **VIAL .5ML (QTY50)**

144649 **Cap, Vial 0.5ML, 50 Pcs**

144390 **Buffer Tray, 2ML, 6X6**

144543 **Sample Tray 48 Position 2ML Vial**

144544 **Sample Tray 48 Position 0.5ML Vial**

Large-Volume Buffer Reservoir Kit

144824 **Buffer Reservoir Access Kit**
Two large-volume buffer reservoirs, four buffer reservoir lids, and buffer reservoir removal tool.

144826 **Lid Assembly, Buffer Reservoir Tray**

144858 **Buffer Reservoir Lid Removal Tool**

144865 **Buffer Reservoir O'Ring (4) PKG**

Miscellaneous Supplies

144672 **Kit, Electrode Replacement**
2 screws, 20 rings, 2-pt wires.

359976 **COOLANT, CAP'LRY CARTRIDGE, 450ML**

144647 **Tool, Fill Coolant**
Consists of syringe, coolant fill tool, and connecting tubing.

144667 **Kit, D2 Lamp Replacement**

144094 **Cable, Fiber Optic/DAD**

144093 **Cable Assembly, Fiber Optic UV**

Instrument Service Agreements and Qualification

Service Agreements

Instrument Certification

Operational Qualification 2 Protocol

Operational Qualificatioin 3 Protocol

PA 800 Series Application Kits
Product Ordering Information

A wide variety of application kits exist to simplify and ensure rapid and successful implementation of the methods development process. Each kit contains the capillaries, buffers, standards, and instructions for specific applications. Installing the capillary into the cartridge requires the use of a P/ACE™ 2000-5000 Series Capillary Replacement Kit, P/N 338432, or P/ACE System MDQ Cartridge Rebuilding Kit, P/N 144645. Following is a quick reference list of the various kits.

Part No. **Product Description and Notes**

390953 **PROTEOMELAB™ SDS-MW ANALYSIS KIT**

SDS-Gel MW Analysis is designed 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 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 of an unknown protein to be estimated from a standard curve of known protein sizes. This chemistry can be used to effectively quantify the amount of protein and to determine the purity of a protein product.

This includes:

- Separation Capillary, 57 cm x 50 µm ID, bare fused-silica Quantity: 2
- SDS Gel Separation Buffer Quantity: 140 mL
- SDS Sample Buffer, 100 mM Tris-HCl, pH 9.0/1% SDS Quantity: 50 mL
- SDS Protein Sizing Standard (10 to 225 kDa), 16 mg/mL Quantity: 100 mL
- Internal Standard, 10 kDa protein, 5 mg/mL Quantity: 0.4 mL
- Acidic Wash Solution, 0.1 N HCl Quantity: 100 mL
- Basic Wash Solution, 0.1 N NaOH Quantity: 100 mL
- SDS-Gel MW Analysis Guide Quantity: 1

A10663 **IGG PURITY/HETEROGENEITY ASSAY**

Includes IgG Control Standard 1-pack and all chemistries. The IgG Purity/Heterogeneity Assay has been developed for researchers employed in industrial biotechnology who are developing and manufacturing IgG reagents for research, diagnostic, and therapeutic use. This assay has been specified to assess the purity and heterogeneity of IgG reagents 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 and separating these proteins by size using high-resolution capillary gel electrophoresis technology. This assay will detect impurities as low as 0.1% and includes glycosylated heavy chain to test both the resolution and quantitation suitability of the IgG control with a designated quantity of non-assay prior to running unknowns.

Assay chemistry includes:

- Separation Capillary, 57 cm x 50 µm ID bare fused-silica Quantity: 2
- SDS Gel Separation Buffer (proprietary formulation) Quantity: 140 mL
- SDS Sample Buffer, 100 mM Tris-HCl, pH 9.0/1% SDS Quantity: 50 mL
- IgG Control Standard, 1 mg/mL in SDS sample buffer Quantity: 1 mL
- Internal Standard, 10 kDa protein, 5 mg/mL Quantity: 0.4 mL
- Acidic Wash Solution, 0.1 N HCl Quantity: 100 mL
- Basic Wash Solution, 0.1 N NaOH Quantity: 100 mL
- IgG Purity and Heterogeneity Analysis Guide Quantity: 1

SDS-MW and IgG Kit Components

A30341 **SDS-MW GEL BUFFER MULTI PACK**

391734 **IgG CONTROL, 3 PACK**

A26487 **10kD Standard Kit**

Contains one tube of marker (100 µL).

A22196 **MW, Sizing Standard, 3 pack**

338451 **CAPILLARY, PRECUT 50U X 67 CM (3EA)**

50 µm ID, 375 µm OD, 67 cm total length/50 cm effective length (qty. 3).

477600 **CARB LABELING & ANALYSIS KT**

The PA 800 Carbohydrate Labeling and Analysis Chemistry contains the reagents, buffers, and separation capillaries required to label, separate, and quantify oligosaccharides and monosaccharides released from glycoproteins. After enzymatic or chemical release, sugars are labeled with APTS, a fluorophore, 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.

This includes:

- Carbohydrate Separation Buffer Quantity: 56 mL
- N-CHO Coated Capillary Quantity: 2
- Labeling Reagents Quantity: 1
- Labeling Dye (APTS) Quantity: 4 x 5 mL
- Labeling Dye Solvent Quantity: 1 mL
- Glucose Ladder Standard Quantity: 50 mg
- Quantitation/Mobility Marker (Maltose) Quantity: 0.18 mg
- APTS-M (monosaccharide-grade) Quantity: 20 mg
- Carbohydrate Labeling and Analysis Guide Quantity: 1

Carbohydrate Labeling and Analysis Chemistry Components

477623 **N-LINKED GEL BUFFER**

477601 **NCHO COATED CAPILLARY**

50 µm ID x 65 cm total length.

501309 **LABELING DYE (APTS) KIT, 2X5MG**

725898 **APTS-M (21MG)**

For monosaccharide analysis (21 mg).

A80976 **Advanced cIEF Starter Kit**

Accurate determination of a protein's charge heterogeneity helps establish identity and stability. 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. The PA 800 Plus Pharmaceutical Analysis System automates the advanced cIEF technology necessary to successfully achieve high precision and quantitative separations. Use of optimized universal methods and synthetic pI markers attains the highest levels of precision in pI calculation and direct isoform quantitation with on-line UV detection.

This includes:

- eCAP Neutral Capillary
- cIEF Gel
- pI Peptide Marker Kit

NOTE: Additional reagents from other vendors are required for this application. Methods and necessary supplies can be referenced in the following AIBs available for download at

- A-11634: *Identification of System Parameters Critical for High-Performance cIEF*
- A-12015: *A Robust cIEF Method: Intermediate Precision for the pH 5-7 Range*
- A-12026: *High-Resolution cIEF of Therapeutic Monoclonal Antibodies: A Platform Method Covering pH 4-10*

cIEF and pI Marker Chemistry Components

A58481 **cIEF Peptide Marker Kit**

pI Marker Kit features synthetic peptides for high resolution and quantitative reproducibility in calculating protein pI. The combination of the advanced cIEF methods, synthetic pI markers, and the PA 800 Plus system results in cIEF separations with the highest level of precision for pI determination and isoform quantitation of your sample.

This includes:

- Five vials containing 240 µL each of peptides with the following pI values: pI 4.1, pI 5.5, pI 7.0, pI 9.5, pI 10.0.

This volume enables 100 cIEF runs.

477497 **CIEF GEL**

477441 **ECAP NEUTRAL CAP 50um ID X 67cm**

50 µm ID x 67 cm.

477445 **Protein Methods Development Kit**

The Protein Methods Development Chemistries contain coated capillaries, buffers, standards, and markers to allow you to optimize a separation method for the analysis of a broad spectrum of proteins by their mass/charge characteristics. The use of a “neutral” separation capillary minimizes the adsorption of proteins to the capillary surface and protects against hydrophobic interactions with the surface, improving the overall efficiency and resolution of the proteins being separated.

This includes:

- Neutral Capillary, 50 µm Quantity: 1
- Orange G Reference Marker, 0.1% aqueous solution Quantity: 1 mL
- Histamine Reference Marker, 1% aqueous solution Quantity: 1 mL
- Citrate Buffer, pH 3, 50 mM Quantity: 100 mL
- Citrate/MES Buffer, pH 6, 50 mM Quantity: 100 mL
- Tricine Buffer, pH 8, 50 mM Quantity: 100 mL
- Protein Test Mix Quantity: 1
  - Lysozyme, 1 mg
  - Ribonuclease A, 1 mg
  - Cytochrome C, 3 mg
- Methods Development Guide Quantity: 1

P/ACE™ MDQ and PA 800 Series Application Kits

A wide variety of application kits have been developed to simplify and ensure rapid and successful implementation of the methods development process. Each kit contains the buffers, standards, and instructions for specific applications. These kits require the use of a Blank Cartridge Assembly Kit P/N 144738 and a Capillary Rebuilding Kit, P/N 144645.

Small Molecules

Ion Analysis

A53537 **Anion Analysis Kit**

The Anion Analysis Kit contains the supplies necessary for separation and quantitation of inorganic anions and organic acids using the P/ACE MDQ or PA 800 capillary electrophoresis systems. Each kit yields approximately 500 tests.

This includes:

- Anion Coating Quantity: 38.5 mL
- Anion Separation Buffer Quantity: 115.5 mL
- Conditioner — Na Quantity: 38.5 mL
- Anion Acid Rinse Quantity: 38.5 mL
- Anion Internal Standard Quantity: 20 mL
- Anion Organic Test Mix Quantity: 3.5 mL
- Anion Inorganic Test Mix Quantity: 3.5 mL
- Capillaries, 50 cm, 75 µm ID Quantity: 3
- Rinse Solution Quantity: 192.5 mL

A53540 **Cation Analysis Kit**

The Cation Analysis Kit contains the supplies necessary for separation and quantitation of small inorganic cations and aliphatic amines using the P/ACE MDQ or PA 800 capillary electrophoresis systems. Each kit yields approximately 500 tests.

This includes:

- Cation Coating A Quantity: 38.5 mL
- Cation Coating B Quantity: 38.5 mL
- Cation Separation Buffer Quantity: 115.5 mL
- Conditioner — Na Quantity: 38.5 mL
- Conditioner — Li Quantity: 38.5 mL
- Cation Internal Standard Quantity: 20 mL
- Cation Test Mix Quantity: 3.5 mL
- Capillaries, 50 cm, 75 µ ID Quantity: 3
- Rinse Solution Quantity: 192.5 mL

P/ACE System MDQ Highly Sulfated Cyclodextrins

A new, highly successful chiral selector method development kit for the analysis of a vast range of enantiomers. Recommended for use only with SCIEX CE systems because of the high current running conditions. This kit is compatible with both UV and PDA detection.

713350 **KIT, HS-G-CYCLODEX 5ML**

This is equivalent to part number A54282.

A50924 **Kit, Highly Sulfated-g-Cyclodextrins 20 % (w/v), 30 mL**

713333 **CAPILLARY COND SOL'N**

477422 **ECAP PHOS. BUFFER PH 2.5, 100mL PER BOTTLE**

338451 **CAPILLARY, PRECUT 50U X 67 CM (3EA)**

50 µm ID, 375 µm OD, 67 cm total length/50 cm effective length (qty. 3).

Nucleic Acids

eCAP™ dsDNA 1000 Kit

For DNA fragment pattern recognition, quantitation of PCR fragments, and molecular sizing determinations. Typical resolution for fragments less than 400 base pairs is 5-15. Molecular size linearity from 100 to 1000 base pairs. The kit includes a coated capillary and replaceable gel, test mix, and an internal standard to perform at least 100 runs. This kit is compatible with both UV and LIF detection. It is not compatible with PDA detection. For LIF applications, eCAP™ EnhanCE intercalating dye (P/N 477409) is recommended.

477410 **SLGP,DSDNA 1000 KIT**

Reorder Components:

477477 DNA CAPILLARY
477628 DS DNA 1000 GEL (KIT)
241524 ECAP SDS REFERENCE STANDARD
477414 ECAP DSDNA 1000 TEST MIX

Fluorescence Intercalator Dye

For use with dsDNA 1000 and dsDNA 20,000 kits and LIF detection.
Requires 488-nm Argon laser and 520-nm emission filter.

477409 **LIFLUOR DSDNA 1000 ENHANCE**

For analysis of single-stranded DNA with linearity from 10 to 100 bases. Includes application disk, two coated capillaries, replaceable gel, and standards to perform at least 100 runs. UV detection is required to analyze unlabeled and standard oligonucleotides. Urea denaturant is included separately, enabling a naturing, replaceable gel, if desired.
This kit is not compatible with a PDA detector.

477480 **SSDNA KIT, 100R**

Reorder Components:

477477 DNA CAPILLARY
477621 SSDNA Kit, 100R Gel
477626 PD(A) KIT, 40-60
338481 ECAP U100P GEL BUFFER KIT

Methods Development Kit

The P/ACE™ MDQ Methods Development Kit is designed to provide a starting point for the development of a capillary zone electrophoresis analysis of complex proteins, pharmaceuticals or basic analytes. The kit includes both neutral (polyacrylamide-based) and amine-coated capillaries.

cBenzyl alcohol is included as a neutral EOF marker for the amine capillary, while histamine is used a a reference marker for the neutral capillary.

501310 **P/ACE MD METHOD DEVEL KIT**

Kit Includes:

477441 ECAP NEUTRAL CAP 50um ID X 67cm
50 µm ID x 67 cm.
477431 ECAP AMINE CAPI,50UMX65CM
477433 ECAP AMINE REGENERATOR 25M
477427 ECAP TRIS BUFFER,PH 8.0
477436 ECAP PROTEIN TEST MIX

Buffers, Test Mixtures, and Reagents

477422 **ECAP PHOS. BUFFER PH 2.5, 100mL PER BOTTLE**

477427 **ECAP TRIS BUFFER,PH 8.0**

501333 **P/ACE MDQ PERF TEST MIX B**

338426 **RUN BUFFER A =>REFRIGERATE<=**

100 mM sodium borate, pH 8.3 (qty. 50 mL).

338424 **CAPILLARY REGENERATOR SOL A**

0.1 N sodium hydroxide (qty. 50 mL).

338437 **CAPILLARY TEST KIT**

Capillary Cartridges: PA 800 Plus, PA 800, and P/ACE MDQ

144738 **Cartridge Assembly, Capillary Packaged**

Contains cartridge body, 100 x 800 µm aperture, 100 x 200 µm aperture, tubing kit, nuts, ferrules, and O-rings.

144645 **Cartridge Rebuild Kit**

Contains capillary length template, cleaving stone, rebuild instructions, O−rings, installation tool, and tweezers.

144689 **Kit, Cartridge Tubing**

Consists of 20, 30, 40, and 50 cm lengths of heat-formed tubing and all connectors.

970297 **O-RING FOR APERTURE**

144717 **CARTRIDGE TUBE KIT, 100CM**

Cartridge coolant tubing (100 cm total length).

144866 **REPL. CARTRIDGE CLIP W/DUAL SCAL(4**

Replacement red cartridge seals for sealing around capillary entrance and exit. Suitable for use with 150 mm capillaries and all cartridge types.

144873 **REPL. CARTRIDGE CLIP W/SNGL SEAL(4**

Seals around optics window.

144711 **APERTURE 100 X 800 (BAG OF 3)**

144712 **APERTURE 100 X 200 (BAG OF 3)**

721125 **LIF Cartridge Aperture Plug Assembly**

Requires LIF Cartridge Probe Guide part number 721126. This part is included in LIF Upgrade Kits.

721126 **Probe Guide Assembly, Service Replacement**

Requires LIF Cartridge Aperture Plug Assembly 721125. This part is included in LIF Upgrade Kits.

149044 **CAPILLARY CARTRIDGE CE/MS (WHITE)**

144829 **Cartridge Assembly, EDA Pack**

New EDA cartridge with all tubing, clips, seals, etc., and the adapter couplings. Cartridge is detector bypass type.

A61216 **KIT, EXTERNAL DETECTOR, STD CARTRIDGE**

144834 **EDA Tubing Kit**

Precut EDA tubing, nuts, O-rings, and ferrules.

144660 **Cartridge, Optical 100 X 800U**

A blank cartridge used to calibrate the PDA detector.

A47922 **Kit, Cartridge Plug & Clip, Plugged**

eCAP™ Capillaries (Pre-Burned Windows)

Install in P/ACE™ MDQ Capillary Cartridges to perform separation and analysis of a variety of samples, including pharmaceuticals, industrial chemicals, chiral drugs, nucleic acids, amino acids, proteins, and peptides.
Capillaries can be trimmed to optimize speed/resolution.

338475 **ECAP CAPLRY TUBING,27CM,20U ID, 3E**
20 µm ID, 375 µm OD, 37 cm total length/20 cm effective length (qty. 3).

338451 **CAPILLARY, PRECUT 50U X 67 CM (3EA)**
50 µm ID, 375 µm OD, 67 cm total length/50 cm effective length (qty. 3).

338454 **CAPILLARY, PRECUT, 75U X 50CM (3EA**
75 µm ID, 375 µm OD, 67 cm total length/50 cm effective length (qty. 3).

477477 **DNA CAPILLARY**

477431 **ECAP AMINE CAPI,50UMX65CM**

477441 **ECAP NEUTRAL CAP 50um ID X 67cm**
50 µm ID x 67 cm.

477601 **NCHO COATED CAPILLARY**
50 µm ID x 65 cm total length.

Extended-Length Capillaries

Used to interface SCIEX's CE systems with mass spectrometers.

360800 **CAPILLARY 75 MICRON X 111CM PKG/3**

360801 **CAPILLARY 50 MICRON X 111CM PKG/3**

149053 **100CM 75UM CAPILLARIES (3 PK)**

Untreated Capillary (No Pre-Burned Window)

338472 **CAPILLARY, 50U X 5 METER**
5 meters in length, 50 µm ID, 375 µm OD.

338473 **75U ID CAPILLARY, 5 METER LENGTH**
5 meters in length, 75 µm ID, 375 µm OD.

338474 **CAPILLARY 100U X 5 METERS**
5 meters in length, 100 µm ID, 375 µm OD.

360804 **ECAP CAPILLARY TUBING 5M X 20UM**
5 meters in length, 20 µm ID, 375 µm OD.

Labware and Miscellaneous Supplies

Labware Supplies for PA 800 Plus

A62251 **Vial, Common, Molded, (bag of 100)**
Universal vials are used in combination with universal caps (P/N A62250). Vials accommodate either run buffer or sample and can also accommodate micro-vials. Vials are precision manufactured from polymethylpentene and have been tested for chemical compatibility with commonly used CE reagents. Universal vials are manufactured for use only with PA 800 Enhanced or PA 800 Plus instruments and should not be reused

A62250 **Universal Vial Cap, (qty. 100)**
Universal Vial Caps are used in combination with Universal Vials (Part Number A62251). Universal Vial Caps are designed for use only with PA 800 plus or PA 800 Enhanced instruments and should not be reused.

A47775 Electrode Assembly

The platinum electrode is compatible for use with the PA 800 Enhanced and PA 800 Plus systems. The electrode has a PEEK sleeve, adding strength and rigidity. It features a snap-in design for easy removal and replacement. The platinum electrode is for use only with PA 800 Enhanced or PA 800 Plus instruments.

A59525 Tool Assembly, Electrode

This tool is designed to facilitate removal and replacement of PA 800 Enhanced and PA 800 Plus electrodes (P/N A47775).

359976 COOLANT, CAP'LRY CARTRIDGE, 450ML

144647 Tool, Fill Coolant

Consists of syringe, coolant fill tool, and connecting tubing.

144667 Kit, D2 Lamp Replacement

144094 Cable, Fiber Optic/DAD

144093 Cable Assembly, Fiber Optic UV

Labware Supplies for PA 800 and P/ACE™ System MDQ

144980 Vial, Glass 425THD/100

Reagent vials used for buffers and cleaning solutions.

144657 Holder, Vial (Package of 50 pcs)

Required for use of MicroVials (qty. 50).

A37326 Cap, Vial 2ML, Open Bore, 100 Pcs

Clear, open bore cap used to seal 2-mL reagent vials, part number 144980.

144648 Cap, Vial 2ML, 100 Pcs

Used to seal 2-mL reagent vials, part number 144980.

970668 VIAL .5ML (QTY50)

144649 Cap, Vial 0.5ML, 50 Pcs

144709 PCR VIALS (BAG OF 100)

358821 SPRINGS, MICRO VIAL (PKG-10)

Required for use of MicroVials.

144656 Cap, Vial-PCR, Package of 50

144390 Buffer Tray, 2ML, 6X6

144543 Sample Tray 48 Position 2ML Vial

144544 Sample Tray 48 Position 0.5ML Vial

144672 Kit, Electrode Replacement

2 screws, 20 rings, 2-pt wires.

144824 Buffer Reservoir Access Kit

Two large-volume buffer reservoirs, four buffer reservoir lids, and buffer reservoir removal tool.

144826 Lid Assembly, Buffer Reservoir Tray

144858 Buffer Reservoir Lid Removal Tool

144865 Buffer Reservoir O'Ring (4) PKG

Miscellaneous Supplies for P/ACE™ System MDQ

144672 Kit, Electrode Replacement

2 screws, 20 rings, 2-pt wires.

359976 COOLANT, CAP'LRY CARTRIDGE, 450ML

144647 Tool, Fill Coolant

Consists of syringe, coolant fill tool, and connecting tubing.

144667 Kit, D2 Lamp Replacement

Labware Supplies for PA 800 and P/ACE™ System MDQ

Filters for PA 800 Plus, PA 800, and P/ACE™ System MDQ

Purchase of a CE system with UV detection includes 200, 214, 254 abd 280 nm filters. Additional filters can be purchased for replacement or custom applications and are customer installed.

UV Filters

144430 FILTER, 200NM

A replacement filter that can be installed by the customer.

144431 SCD, FILTER, 210NM

A custom application filter that can be installed by the customer.

144437 FILTER 214NM

A replacement filter that can be installed by the customer.

144432 FILTER, 220NM

A custom application filter that can be installed by the customer.

144433 FILTER, 230NM

A custom application filter that can be installed by the customer.

144438 FILTER 254NM

A replacement filter that can be installed by the customer.

144434 SCD, FILTER 260NM

A replacement filter that can be installed by the customer.

144439 FILTER 280NM

A replacement filter that can be installed by the customer.

144435 FILTER, 300NM

A custom application filter that can be installed by the customer.

144436 FILTER, 340NM

A custom application filter that can be installed by the customer.

LIF Filters

144941 Filter Notch 488NM

144940 Filter, Band Pass 520NM

149068 FILTER EMISSION 560NM

144942 Filter,655NM

GenomeLAB GeXP™ Genetic Analysis Product Ordering Information

All Genetic Analyses on One Instrument

The GenomeLab GeXP Genetic Analysis System is a versatile multi-functional genetic analyzer based on sensitive laser induced fluorescent detection capillary electrophoresis technology, with a wide 3 logs of dynamic detection range. The system is capable of performing a large number of applications using a single setup with one gel, one capillary array, and one software program.

- Multiplex gene expression and microbial ID incorporating XP-PCR technology
- Dye terminator cycle sequencing (high quality long and short reads)
- SNP detection using Single Base Extension (SBE) technology
- Genotyping by STR, RFLP and MLVA
- Amplified fragment length polymorphism (AFLP) fingerprinting

Part No.	Product Description and Notes
	GenomeLab™ GeXP Genetic Analysis System
A26572	**GenomeLab™ GeXP Dual Rail Genetic Analysis System** Includes GenomeLab GeXP Separation Module, GenomeLab Controller, GeXP Software Package, a 22" True Color Flat-panel Monitor. Integrated bar code reader and 2 x 96-well sample microplate format. Complete with Windows 7 and Microsoft Office installed, in-lab installation, and User's Guide.
A62684	**GenomeLab™ GeXP One-Rail Genetic Analysis System Sales Group** Includes GenomeLab GeXP Separation Module, GenomeLab Controller, GeXP Software Package, a 22" True Color Flat-panel Monitor. 1 X 96-well sample microplate format. Complete with Windows 7 and Microsoft Office installed, in-lab installation, and User's Guide.
B32282	**GenomeLab™ GeXP Dual-Rail Genetic Analysis System (IVD)** Includes GenomeLab GeXP Separation Module, GenomeLab Controller, GeXP Software Package, a 22" True Color Flat-panel Monitor. Integrated bar code reader and 2 x 96-well sample microplate format. Complete with Windows 7 and Microsoft Office installed, in-lab installation, and User's Guide.
B32283	**GenomeLab™ GeXP One-Rail Genetic Ahnalysis System Sales Group (IVD)** Includes GenomeLab GeXP Separation Module, GenomeLab Controller, GeXP Software Package, a 22" True Color Flat-panel Monitor. 1 X 96-well sample microplate format. Complete with Windows 7 and Microsoft Office installed, in-lab installation, and User's Guide.
B49798	**CEQ8000 and CEQ8800 to GeXP Win7 System Upgrade Sales Group** Includes CEQ8000 and CEQ 8800 to GeXP upgrade kit, 22" Flat-panel Monitor, GenomeLab Controller, Windows 7 GeXP Software Package, GPIB to USB adapter cable, and firmware card.
B48964	**GeXP Win7 Controller Upgrade Sales Group** Includes GenomeLab Controller, Windows 7 GeXP Software Package, and GPIB to USB adapter cable.
	GenomeLab™ GeXP Reagents and Supplies for Gene Expression Analysis
A85017	**GenomeLab™ GeXP Start Kit, LUO** Contains reagents needed to develop custom multiplex assays for monitoring gene expression PCR Buffer, 5X; Kanr RNA with RI; DNase/RNase Free H2O, Sample Loading Solution (SLS); DNA Size Standard 400; and mineral oil.
A85022	**Thermo-Start Taq DNA Polymerase Kit, LUO** For use with GeXP Start Kit, 100 Reactions.

A52078 **GenomeLab™ GeXP Human Reference Plex Kit Sales Group**

Contains reagents needed to monitor the expression profiles of 24 reference genes represented in human RNA samples for 100 reactions. Use these components to identify appropriate reference genes for custom multiplexes in human RNA samples. Includes: GeXP RT Buffer (5X), GeXP Reverse Transcriptase; GeXP PCR Buffer, 5X; Kanr RNA with RI; DNase/RNase Free H2O; Sample Loading Solution (SLS); DNA Size Standard 400; mineral oil; RT Rev Primer Plex Human ReferencePlex, 24 oligos; PCR Forward Primer Plex Human ReferencePlex, 24 oligos; Control RNA Templates Human ReferencePlex (from human source).

608012 **GenomeLab Separation Buffer, 4/pk**

Each container has a screw top and a convenient pour tip and contains sufficient buffer (30 mL) to fill one Buffer Plate of 96 flat-bottom wells.

608087 **DNA Sep Cap Array 33-75B**

Eight capillaries, 75 µm i.d., 33 cm long, complete with inlet electrode block and detector array fitting. Ready for easy installation into the CEQ™ and GeXP for sequencing and/or fragment analysis. Storage temperature: 6°C.

608098 **DNA Size Standard Kit 400BP**

DNA size standard for analysis of fragments up to 400 nucleotides. Includes mineral oil. Sufficient for 96 fragment analysis separations. Includes DNA fragments of the following sizes labeled with CEQ WellRED fluorescent dye: 60, 70, 80, 90, 100, 120, 140, 160, 180, 190, 200, 220, 240, 260, 280, 300, 320, 340, 360, 380, 400, and 420 nucleotides. Storage temperature: -20°C

608082 **Sample Loading Solution 6.0 mL**

608114 **Mineral Oil**

608010 **Separation Gel - LPAI 10 mL**

High-resolution polyacrylamide gel packaged in a premixed cartridge. One 10 mL cartridge is sufficient for 96 sequencing or fragment analysis runs. Storage temperature: 6°C

391438 **Separation Gel - LPAI 20 mL**

High-resolution polyacrylamide gel packaged in a premixed cartridge. One 20 mL cartridge is Storage temperature: 6º C.

609801 **SAMPLE MICROTITER PLATE 25 PK**

Package of 25 V-bottom thermal cycler-compatible polypropylene plates with 200 µL nominal volume to easily contain 40 µL of sample. Recommended for use as the sample plate

609844 **96-WELL PLATES, PS NONSTERILE (100)**

Capacity: 300 µL/well (package of 100). Four packages of 25 each flat-bottom polystyrene plates. Recommended for use as the Separation Buffer Plate.

974705 **BOTTLE PLASTIC, 250ML, PK12**

Used for automatic collection of gel after separations on the CEQ™ and GeXP. Each bottle will hold 250 m of waste gel which is the equivalent to 25 plates of 96 runs each

A36465 **GeXP Gene Expression START-UP-PAC**

Recommended reagents for installation, operational qualification (OQ1), and training in gene expressic applications on the GeXP dual rail. Includes: 1 Human Reference Plex Kit, GeXP Start Kit, DNA Polymerase, 2 x 20 mL LPA Gel cartridges, 1 Separation Buffer 4-pack, Sequencing Reaction Test Sample 2 Capillary Array Kits (33 cm x 75 µm), 2 Size Standards-600, Fragment Analysis Test Sample, 4 x 6.0 mL Sample Loading Solution, 1 package Sample Microtiter Plates (qty. 25), 1 package 96-Well PS Nonsterile (Buffer) Plates (qty. 100).

GenomeLab™ GeXP Reagents and Supplies for Dye Terminator Cycle Sequencing

608120 **DTCS QUICK START KIT**

Dye-labeled dideoxy terminator cycle sequencing kit for 96 reactions. Includes: a single tube Quick Start Master Mix containing thermostable DNA polymerase and pyrophosphotase, CEQ WellRED dye-labeled terminators (ddUTP, ddGTP, ddCTP, ddATP), dNTPs in sequencing reaction buffer; Sample Loading Solution (SLS); pUC18 control template; -47 sequencing primer; mineral oil and glycogen.

608000 **Methods Development Kit**

Dye-labeled dideoxy terminator cycle sequencing kit for 96 reactions. Includes: thermostable ddATP); dNTP (I) mix; dNTP(G) mix; Sequencing Reaction Buffer; pUC18 control template; M13-47 sequencing primer; Mineral Oil; Glycogen; Sample Loading Solution (SLS).

608010 **Separation Gel - LPAI 10 mL**

High-resolution polyacrylamide gel packaged in a premixed cartridge. One 10 mL cartridge is sufficient for 96 sequencing or fragment analysis runs. Storage temperature: 6°C.

391438 **Separation Gel - LPAI 20 mL**

High-resolution polyacrylamide gel packaged in a premixed cartridge. One 20 mL cartridge is sufficient for two 96-well plates for sequencing or fragment-analysis runs. Storage temperature: 6º C.

608012 **GenomeLab Separation Buffer, 4/pk**

Each container has a screw top and a convenient pour tip and contains sufficient buffer (30 mL) to fill one Buffer Plate of 96 flat-bottom wells.

608087 **DNA Sep Cap Array 33-75B**

Eight capillaries, 75 µm i.d., 33 cm long, complete with inlet electrode block and detector array fitting. Ready for easy installation into the CEQ™ and GeXP for sequencing and/or fragment analysis. Storage temperature: 6°C.

608070 **Sequencing Test Sample**

Sequencing reaction products test sample in vials. Sufficient for 24 runs on the CEQ™ and GeXP.

608082 **Sample Loading Solution 6.0 mL**

608074 **Seq Reaction Buffer Kit**

609801 **SAMPLE MICROTITER PLATE 25 PK**

Package of 25 V-bottom thermal cycler-compatible polypropylene plates with 200 µL nominal volume to easily contain 40 µL of sample. Recommended for use as the sample plate. Capacity: 300 µL/well (package of 100). Four packages of 25 each flat-bottom polystyrene plates. Recommended for use as the Separation Buffer Plate.

609844 **96-WELL PLATES, PS NONSTERILE (100)**

Capacity: 300 µL/well (package of 100). Four packages of 25 each flat-bottom polystyrene plates. Recommended for use as the Separation Buffer Plate.

974705 **BOTTLE PLASTIC, 250ML, PK12**

Used for automatic collection of gel after separations on the CEQ™ and GeXP. Each bottle will hold 250 m of waste gel which is the equivalent to 25 plates of 96 runs each

969133 **GeXP (Seq & FA) Start-Up Pac**

Recommended reagents for installation, operational qualification (OQ1), and training in DNA sequencing fragment analysis and genotyping applications on the GeXP dual rail. Includes: 2 Quick Start DTCS Kits, 3 x 20 mL LPA Gel cartridges, 2 Separation Buffer 4-packs, 2 Capillary Array Kits (33 cm), 1 Sequencing Reaction Test Sample, 2 Size Standards-400, 2 Size Standards-600, Fragment Analysis Test Sample, 4 x 6.0 mL Sample Loading Solution, 1 package Sample Microtiter Plates (qty. 25), 1 package 96-Well PS Nonsterile Plates (qty. 100)

969134 **GeXP (One Rail) SEQ & FA START-UP-PAC**

Recommended reagents for installation, operational qualification (OQ1), and training in DNA sequencing fragment analysis and genotyping applications on the GeXP single rail. Includes: 2 Quick Start DTCS Kits, 6 x 10 mL LPA Gel cartridges, 2 Separation Buffer 4-packs, 2 Capillary Array Kits (33 cm), 1 Sequencing Reaction Test Sample, 2 Size Standards-400, 2 Size Standards-600, Fragment Analysis Test Sample, 4 x 6.0 mL Sample Loading Solution, 1 package Sample Microtiter Plates (qty. 25), 1 package 96-Well PS Nonsterile Plates (qty. 100)

A71837 **GenomeLab™ GeXP Sequencing START-UP-PAC Sales group**

Recommended reagents for installation, operational qualification (OQ1) and training in DNA sequencing, on the GeXP dual rail. Includes: 2 Quick Start DTCS Kits, 2 x 20 mL LPA Gel cartridges, 1 Separation Buffer 4-packs, 2 Capillary Array Kits (33 cm), Sequencing Reaction Test Sample, Size Standards-600, Fragment Analysis Test Sample, 1 x 6.0 mL Sample Loading Solution, 1 package Sample Microtiter Plates (qty. 25), 1 package 96-Well PS Nonsterile Plates (qty. 100).

285441 **GeXP (One Rail) SEQ START-UP-PAC**

Recommended reagents for installation, operational qualification (OQ1) and training in DNA sequencing, on the GeXP single rail. Includes: 2 Quick Start DTCS Kits, 4 x 10 mL LPA Gel cartridges, 1 Separation Buffer 4-packs, 2 Capillary Array Kits (33 cm), 1 Sequencing Reaction. Size Standards-600, Fragment Analysis Test Sample, 1 x 6.0 mL Sample Loading Solution, Test Sample, 1 package Sample Microtiter Plates (qty. 25), 1 package 96-Well PS Nonsterile Plates (qty. 100).

GenomeLab™ GeXP Reagents and Supplies for Fragment Analysis

608098 **DNA Size Standard Kit 400BP**
DNA size standard for analysis of fragments up to 400 nucleotides. Includes mineral oil. Sufficient for 96 fragment analysis separations. Includes DNA fragments of the following sizes labeled with WellRED fluorescent dye: 60, 70, 80, 90, 100, 120, 140, 160, 180, 190, 200, 220, 240, 260, 280, 300, 320, 340, 360, 380, 400, and 420 nucleotides. Storage temperature: -20°C

608095 **DNA Size Standard Kit 600BP**
DNA size standard for analysis of fragments up to 600 nucleotides. Includes mineral oil. Sufficient for 9 fragment analysis separations. Includes DNA fragments of the following sizes labeled with WellRED fluorescent dye: 60, 70, 80, 90, 100, 120, 140, 160, 180, 190, 200, 220, 240,260, 280, 300, 320, 340, 360, 380, 400, 420, 440, 460, 480, 500, 520, 540, 560, 580, 600, 620, and 640 nucleotides. Storage temperature: -20°C.

608395 **DNA Size Standard Kit 80BP**
DNA size standard for analysis of fragments up to 80 nucleotides. Includes mineral oil. Sufficient for 96 fragment analysis separations. Includes WellRED fluorescent dye labeled DNA fragments size standards ideal for performing SNP validation and scoring. Storage temperature: -20°C.

A20100 **Human STR Primer Set kit**
A ready-to-use mixture of 12 primer pairs in an amplification buffer that will co-amplify 12 specific loci in the human genome (eleven STR loci plus Amelogenin) all in a single tube reaction. These STR loci are highly polymorphic and are used to determine the purity and quality of a specific DNA sample. Contains reagent f 48 multiplex reactions. Storage Temperature: < -10°C

A23201 **GenomeLab™ SNPStart Primer Extension Kit**
WellRED Dye-labeled chemistry for 100 single base extension reactions for Single Nucleotid Polymorphisms (SNPs) validation and scoring. Performs single or multiplex genotyping of SNPs in DNA templates by primer extension following the hybridization of one or more unlabeled locus interrogation primers to one or more complementary templates. Each kit includes a master mix conveniently formulated i a single tube; control; mineral oil;and sample loading solution

608105 **Fragment Analysis Test Sample**
A set of fluorescently labeled DNA fragments of known sizes and defined spacing used to verify the resolution power of the CEQ™ and GeXP fragment analysis system. Sufficient for 24 tests. Storage temperature: -20°C.

608010 **Separation Gel - LPAI 10 mL**
High-resolution polyacrylamide gel packaged in a premixed cartridge. One 10 mL cartridge is sufficient for 96 sequencing or fragment analysis runs. Storage temperature: 6°C.

391438 **Separation Gel - LPAI 20 mL**
High-resolution polyacrylamide gel packaged in a premixed cartridge. One 20 mL cartridge is sufficient for two 96-well plates for sequencing or fragment-analysis runs. Storage temperature: 6ºC.

608012 **GenomeLab Separation Buffer, 4/pk**
Each container has a screw top and a convenient pour tip and contains sufficient buffer (30 mL) to fill one Buffer Plate of 96 flat-bottom wells.

608082 **Sample Loading Solution 6.0 mL**

608114 **Mineral Oil**

608087 **DNA Sep Cap Array 33-75B**
Eight capillaries, 75 µm i.d., 33 cm long, complete with inlet electrode block and detector array fitting. Ready for easy installation into the CEQ™ and GeXP for sequencing and/or fragment analysis. Storage temperature: 6°C.

609801 **SAMPLE MICROTITER PLATE 25 PK**
Package of 25 V-bottom thermal cycler-compatible polypropylene plates with 200 µL nominal volume to easily contain 40 µL of sample. Recommended for use as the sample plate. Capacity: 300 µL/well (package of 100). Four packages of 25 each flat-bottom polystyrene plates. Recommended for use as the Separation Buffer Plate.

609844 **96-WELL PLATES, PS NONSTERILE (100)**
Capacity: 300 µL/well (package of 100). Four packages of 25 each flat-bottom polystyrene plates. Recommended for use as the Separation Buffer Plate.

974705 **BOTTLE PLASTIC, 250ML, PK12**
Used for automatic collection of gel after separations on the CEQ™ and GeXP. Each bottle will hold 250 m of waste gel which is the equivalent to 25 plates of 96 runs each

969114 **GeXP Fragment Analysis Start-Up Pac**
Recommended reagents for installation, operational qualification (OQ1), and training in DNA fragmer analysis and genotyping application on the GeXP dual rail. Includes: 2 x 20 mL LPA Gel cartridges, 1 Separation Buffer 4-pack, 2 Capillary Arrays (33 cm), 2 Size Standards-400, 2 Size Standards-600, 4 x 6.0 mL Sample Loading Solution, FA Test Sample, Sequencing Test Sample, 1 package Sample Microtiter Plates (qty. 25), 1 package 96-Well PS Nonsterile Plates (qty. 100)

285489 **GeXP (One Rail) FA START-UP-PAC**
Recommended reagents for installation, operational qualification (OQ1), and training in DNA fragmer analysis and genotyping application on the GeXP single rail. Includes: 4 x 10 mL LPA Gel cartridges, 1 Separation Buffer 4-pack, 2 Capillary Arrays (33 cm), 2 Size Standards-400, 2 Size Standards-600, 4 x 6.0 mL Sample Loading Solution, FA Test Sample, Sequencing Test Sample, 1 package Sample Microtiter Plates (qty. 25), 1 package 96-Well PS Nonsterile Plates (qty. 100)

969115 **GeXP SNP Start-Up Pac**

Recommended reagents for installation and training of Single Base Primer Extension application on the GeXP dual rail. Includes: 2 SNP Primer Extension Kits, 2 x 20 mL LPA Gel cartridges, 1 Separation Buffer pack, 2 Capillary Array Kits (33 cm), 2 Size Standards-80, 2 x 6.0 mL Sample Loading Solution, 1 FA Test Sample, 1 package Sample Microtiter Plates (qty. 25), 1 package 96-Well PS Nonsterile Plates (qty. 100).

969118 **GeXP (One Rail) SNP START-UP-PAC**
Recommended reagents for installation and training of Single Base Primer Extension application on th GeXP single rail. Includes: 2 SNP Primer Extension Kits, 3 x 10 mL LPA Gel cartridges, 1 Separation Buffer 4-pack, 2 Capillary Array Kits (33 cm), 2 Size Standards-80, 2 x 6.0 mL Sample Loading Solution, 1 FA Tes Sample, 1 package Sample Microtiter Plates (qty. 25), 1 package 96-Well PS Nonsterile Plates (qty. 100).(qty. 25), 1 package 96-Well PS Nonsterile Plates (qty. 100)

WellRED Dye-Labeled Phosphoramidites

Designed specifically for use with the CEQ™ and GeXP. These WellRED dye-labeled phosphoramidites ar easily coupled to the 5' end of oligonucleotides using commercial DNA synthesizers.

608147 **D2- PA KIT 0.1G**
608146 **D3- PA KIT 0.1G**
608145 **D4- PA KIT 0.1G**

Instrument Qualification

945567PTO **GeXP Operational Qualification 2**
Assures regulatory agencies that instrumentation performs to SCIEX's published specifications. Th Operational Qualification 2 verfies the operational qualification of the GeXP instrument consisting of completion of all preventive maintenance, sofware operation qualification, module performance qualification, and total system performance qualification. Qualification Record Report will be generated and provided onc verification tests have been completed

A36466 **GenomeLab GeXP (One Rail) Installation and Training Packag**
Recommended reagents for installation, operational qualification (OQ1), and training in gene expression applications on the GeXP single rail. Includes: 1 Human Reference Plex Kit, GeXP Start Kit, DNA Polymerase, 4 x 10 mL LPA Gel cartridges, 1 Separation Buffer 4-Pack, Sequencing Reaction Test Sample, 2 Capillary Array Kits (33 cm x 75 µm), 2 Size Standards-600, Fragment Analysis Test Sample, 4 x 6.0 mL Sample Loading Solution, 1 package Sample Microtiter Plates (qty. 25), 1 package 96-Well PS Nonsterile (Buffer) Plates (qty. 100).

Spare Parts for GeXP/CEQ™ Series

607445 **WETTING TRAY - RETAINER VERSION**
607533 **EVAPORATION CONTROL MAT**
390904 **CEQ-8800 BUFFER EVAPORATION COVER**

Eksigent nanoLC POI

Note on software control: All Eksigent microLC 200 systems include AAO drivers for control under the following software: Analyst 1.4.1 or higher, Analyst QS 2.0 and Analyst TF.

Part No.	Product Description and Notes

Systems

Eksigent nanoLC 400 Systems

5020322 **Eksigent nanoLC 415 system bundle**

Consists of nanoLC 415 pump with one gradient pump with nano flow module (100-1000 nL/min) + one loading pump (1-50 µL/min) , solvent organizer and nanoLC 400 autosampler with built-in additional 10 port switching valve. Includes column oven for columns up to 25 cm (PN 5019593).

5020321 **Eksigent nanoLC 425 system bundle**

Consists of nanoLC 425 pump with two gradient pumps with nano flow modules (100-1000 nL/min) + one loading pump (1-50 µL), solvent organizer and nanoLC 400 autosampler with built-in additional 10 port switching valve. Includes column oven for columns up to 25 cm (PN 5019593).

Modules

a) Eksigent nanoLC 400 Pumps

5020132 **Eksigent nanoLC 415 pump**

Eksigent nanoLC 415 pump. Includes one gradient pump with nano flow module (100-1000 nL/min) + one loading pump (1-50 µL/min).

5020131 **Eksigent nanoLC 425 pump**

Eksigent nanoLC 425 pump. Includes two gradient pumps with nano flow modules (100-1000 nL/min) + one loading pump (1-50 µL).

5017921 **Ekspert nanoLC 400 Solvent Organizer for use with 415 or 425 Pump**

Ekspert nanoLC 400 Solvent Organizer for use with 415 or 425 pump.

b) Autosamplers

5027345 **Eksigent nanoLC 400 autosampler**

Eksigent nanoLC 400 autosampler with additional built-in 10 port valve. Includes sample cooling (minimum temperature of 4 °C). Capacity of 108 vials or two micro-titer plates. Installation not included.

c) nanoLC-UV Detector

930-00037 **Knauer Detector UV 2500, 5nl Cell**

Knauer Smartline 2500 variable wavelength detector with 5 nl flow cell. Installation and training included if ordered as part of a system. Requires separate AD converter (PN 5019951) when used with a 415 or 425 nanoLC system.

930-00031 **Knaur Detector UV 2500**

Knauer Smartline 2500 variable wavelength detector. Does not include flow cell. Installation and training included if ordered as part of a system. Requires separate AD converter (PN 5019951) when used with a 415 or 425 nanoLC system.

d) Eksigent cHiPLC

950-00070 **Eksigent cHiPLC**

Eksigent cHiPLC system. For max. 3 cHiPLC jumper or column chips. Includes 10 port valve and temperature control for two chips. One cHiPLC column and two traps are included. Installation and training included.

801-00078 **cHiPLC -Nanoflex Accessory Kit**

Accessory Kit for cHiPLC; includes 1 x Nano cHiPLC C18 column (804-00001), 2 x Nano cHiPLC C18 Trap column (804-00006), 1 x direct inject jumper chip (800-000408) and 2 x trap-elute jumper chip (800-00389).

e) ekspot MALDI Spotter

950-00040 **PAL MALDI 4MT**

Ekspot MALDI spotter for Nano/Capillary LC. Capacity of four microtiterplate format MALDI targets (AB SCIEX 4800/5800 or Bruker Ancholchip) or 8 AB SCIEX 4700/Waters targets. Includes matrix delivery pump. Control is integrated in the (included) Eksigent control software. Adapters for MALDI plates (4 required) are not included. Installation and training included if ordered as part of a system; does not include a computer.

950-00091 **Ekspot, 2 Drawer Stack, 4 x 4800/5800 Ad**

Ekspot MALDI spotter for Nano/Capillary LC. Capacity of four microtiterplate format MALDI targets. Includes matrix delivery pump. Control is integrated in the (included) Eksigent control software. Adapters for 4 AB SCIEX 4800/5800 MALDI targets included. Installation and training included if ordered as part of a system; does not include a computer.

950-00047 **PAL MALDI 8MT**

Ekspot MALDI spotter for Nano/Capillary LC. Capacity of eight microtiterplate format MALDI targets (AB SCIEX 4800/5800 or Bruker Ancholchip) or 16 AB SCIEX 4700/Waters targets. Includes matrix delivery pump. Control is integrated in the (included) Eksigent control software. Adapters for MALDI plates (8 required) are not included. Installation and training included if ordered as part of a system; does not include a computer.

Accessories

5025379 **nanoLC 400 microLC Starter Kit**

microLC starter kit for Eksigent nanoLC400. Includes flow module for 5-50 µL/min (5018238), column oven (5019593), 50 µm ID Hybrid Electrode for AB SCIEX TurboV and DuoSpray sources (5016411) and grounding kit (5016941).

5025380 **cHiPLC Column/TRAP Starter Kit**

cHiPLC column/trap starter kit. Includes 1 x Micro cHiPLC column 200 µm id x 15 cm, ChromXP C18 3um 120Å (5015840), 1 x Micro cHiPLC Trap column 200 µm id x 6 mm, ChromXP C18 3 µm 120Å (5015841) and 1 x Nano cHiPLC column 75 µm x 15 cm ChromXP C8-CL 3 µm 120 Å (804-00005).

5017921 **Eksigent nanoLC 400 Solvent Organizer for use with 415 or 425 Pump**

Eksigent nanoLC 400 Solvent Organizer for use with 415 or 425 pump.

5019593 **Eksigent nanoLC 400 column oven**

Eksigent nanoLC 400 column oven. For columns up to 25 cm. Temperature from ambient +5°C to 60°C

5019951 **Analog to Digital Converter for Eksigent nanoLC 400 system.**

Analog to Digital converter for Eksigent nanoLC 400 system. For use with e.g. UV detector for LC/MALDI.

5018236 **Eksigent nanoLC 400 gradient flow module for 100-1000 nL/min**

5018237 **Eksigent nanoLC 400 gradient flow module for 1-10 µL/min**

5018238 **Eksigent nanoLC 400 gradient flow module for 5-50 µL/min**

5018239 **Eksigent nanoLC 400 loading pump flow module for 1-50 µL/min**

950.717 **10 port valve for nanoLC 400 AS**

950.325 **PEEKsil 3.6 µL sample needle nanoLC 400 AS**

2002.520 **rotor seal for injection valve nanoLC 400 AS**

2002.522	**rotor for 10 port valve nanoLC 400 AS**
4400.050	**syringe 50 µL nanoLC 400 AS**
801-00084	**Kit, micro 200, AB SCIEX Bundle** AB SCIEX Interface kit for Ekspert microLC 200; includes 25 µm ID electrode (5016874) and 50 µm ID electrode (5016411), column oven clamp (5017397), grounding kit (5016941) and MS interface cable (700-00049). NOTE: Does NOT include Turbo V probe housing (AB SCIEX PN 1017167).
5016411	**50 Micron ESI Electrode** Electrode for AB SCIEX Turbo V Source (50 µm ID). Requires grounding kit (5016941).
5016874	**25 Micron ESI Electrode** Electrode for AB SCIEX Turbo V Source (25 µm ID). Requires grounding kit (5016941).
5016941	**Grounding Kit** For hybrid electrodes for AB SCIEX Turbo V Source.
5017397	**Clamp and Rod Column Heater Mounting Assembly** For AB SCIEX Turbo V and DuoSpray Sources.
5029342	**Assy*65um ESI Electrode** For AB SCIEX Turbo V Source (65 µm).

Installation, Warranties and Support

ABSX ASSURANCE 1PM|EK400	12-month AB SCIEX Assurance 1PM Plan
ABSX ASSURANCE 1PM|EKNANOLC	12-month AB SCIEX Assurance 1PM Plan
ABSX ASSURANCE 1PM|EKNFLEX	12-month AB SCIEX Assurance 1PM Plan
ABSX ASSURANCE 1PM|EKNULTRA	12-month AB SCIEX Assurance 1PM Plan
ABSX ASSURANCE 1PM|EKSPOT	12-month AB SCIEX Assurance 1PM Plan
ABSX EXT WARRANTY 1PM|EK400	12-month AB SCIEX Ext. Warranty 1PM Plan
ABSX EXT WARRANTY 1PM|EKNANOLC	12-month AB SCIEX Ext. Warranty 1PM Plan
ABSX EXT WARRANTY 1PM|EKNFLEX	12-month AB SCIEX Ext. Warranty 1PM Plan
ABSX EXT WARRANTY 1PM|EKNULTRA	12-month AB SCIEX Ext. Warranty 1PM Plan
ABSX EXT WARRANTY 1PM|EKSPOT	12-month AB SCIEX Ext. Warranty 1PM Plan

Eksigent microLC POI

Note on software control: All Eksigent microLC 200 systems include AAO drivers for control under the following software: Analyst 1.4.1 or higher, Analyst QS 2.0 and Analyst TF.

Part No.	Product Description and Notes

Systems

a) ekspert M3 microLC Systems

5041086	**M3 MicroLC Bundle High Flow** M3 MicroLC system consisting of a binary gradient pumping system configured for 20-200 uL/min flow rate, remotely mounted column oven & mounting kit (5017397), and integrated autosampler with a six-plate cooled sample hotel, DLW wash station, and low dispersion 6-port injection valve. Includes driver for control under Analyst software. Installation and training included; does not include a computer.
5041087	**M3 MicroLC Bundle Low Flow** M3 MicroLC system consisting of a binary gradient pumping system configured for 5 - 50 uL/min flow rate, remotely mounted column oven & mounting kit (5017397), and integrated autosampler with a six-plate cooled sample hotel, DLW wash station, and low dispersion 6-port injection valve. Includes driver for control under Analyst software. Installation and training included; does not include a computer.
5041088	**M3 MicroLC-TE Bundle High Flow** M3 MicroLC system consisting of a binary gradient pumping system configured for 20-200 uL/min flow rate, an additional gradient pump for sample loading configured for 20-200 uL, remotely mounted column oven & mounting kit (5017397), and integrated autosampler with a six-plate cooled sample hotel, DLW wash station, low dispersion 6-port injection valve, and an additional low dispersion 6-port auxilliary valve. Includes driver for control under Analyst software. Installation and training included; does not include a computer.
5041089	**M3 MicroLC-TE Bundle Low Flow** M3 MicroLC system consisting of a binary gradient pumping system configured for 5-50 uL/min flow rate, an additional gradient pump for sample loading configured for 20-200 uL, remotely mounted column oven & mounting kit (5017397), and integrated autosampler with a six-plate cooled sample hotel, DLW wash station, low dispersion 6-port injection valve, and an additional low dispersion 6-port auxilliary valve. Includes driver for control under Analyst software. Installation and training included; does not include a computer.
5031861	**Kit, Upgrade microLC Plus**
	Robustness upgrade kit for microLC 200 System.

Modules

a) Autosamplers

5018303	**CTC-PAL Autosampler Eksigent microLC 200** CTC Analytics PAL DLW-HTC-xt autosampler with DLW-2 wash station configured for use with the Eksigent microLC 200 pump. Includes six-plate (three drawer) cooled sample hotel. Installation and training included if ordered as part of a system.

b) Eksigent microLC 200 pumps (without CTC autosampler)

5017544 **Eksigent microLC binary gradient pump, 20-200 uL/min**

Eksigent microLC 200 binary gradient pump configured for 20-200 uL/min flow rate. Includes remotely mounted column oven, electrically-actuated low dispersion 6-port injection valve and mounting brackets for CTC six-plate (three drawer) cooled sample hotel. Includes Eksigent control software. Installation and training included; does not include a computer.

5017545 **Eksigent microLC binary gradient pump, 5-50 uL/min**

Eksigent microLC 200 binary gradient pump configured for 5-50 uL/min flow rate. Includes remotely mounted column oven, electrically-actuated low dispersion 6-port injection valve, and mounting brackets for CTC six plate (three drawer) cooled sample hotel. Includes Eksigent control software. Installation and training included; does not include a computer.

	Accessories
5019595	**Kit, Upgrade ExpressHT to microLC200**
5020904	**EKS 200 Column Oven, Long**
	Ekspert microLC200 column oven, long columns.
5017802	**EKS 200 Accessory Kit**
	Ekspert microLC 200 accessory kit.
5020787	**Ekspert MicroLC 200 Consumables Kit**
	Includes PEEKsil tubing, fittings, ferrules, loops, calibration kit, mobile phase filters and other typical replacement parts.
801-00084	**Kit, micro 200, AB SCIEX Bundle**
	AB SCIEX Interface kit for Ekspert microLC 200; includes 25 µm ID electrode (5028467) and 50 µm ID electrode (5028466), column oven clamp (5017397), grounding kit (5016941) and MS interface cable (700-00049). **NOTE: Does NOT include Turbo V probe housing (AB SCIEX PN 1017167).**
5028466	**50 Micron ESI Electrode**
	50µ ESI electrode for Turbo V, serviceable (optimum flow rate 20-50uL/min). Requires grounding kit (5016941).
5028467	**25 Micron ESI Electrode**
	25µ ESI electrode for Turbo V, serviceable (optimum flow rate 5-20uL/min).). Requires grounding kit (5016941).
5031383	**Needle Kit* 3 PK w/Hubs and Nuts CTC DLW 22 GA Rounded Tip w/Nut**
	CTC Autosampler needles.
5023797	**Assy*Syringe Needle Guide microLC**
	Injection port assembly.
5024174	**Nut*6-32 Thread 3/16 Hex Gold Plated**
	Stainless-steel nuts.
910-00087	**Fitting* Ferrule 1/32 Inch 10PK SS**
	Stainless-steel ferrules.
5023403	**Assembly, Column Heater, ekspert microLC**
	23 cm long Column Heater.
205-00089	**Tube* 25um ID 1/32 inch OD 5.0cm LG PEEKSIL**
205-00070	**Tube* 50um ID 1/32 inch OD 5.0cm LG PEEKSIL**
200-00388	**Filter* MicroFilter Detector Inlet 1/32 OD Tubing**
200-00373	**Filter Capsule, Detection Cell, 1um SS Frit**
200-00330	**Fitting* Std Head 1/32 OD Tubing PEEK Red**
5016941	**Grounding Kit**
	For hybrid electrodes for AB SCIEX Turbo V Source.
5017397	**Clamp and Rod Column Heater Mounting Assembly**
	For AB SCIEX Turbo V and DuoSpray Sources.

5029342	**Assy*65um ESI Electrode**
	For AB SCIEX Turbo V Source (65 µm).
100-00567	**Wrench, for 1/32" and 1/16" ZDV Nuts**
	Wrench, for 1/32" and 1/16" ZDV Nuts
5018262	**Calibration Kit, ekspert microLC 200**
	Calibration Kit, ekspert microLC 200
5016413	**Union, Electrode, HEX, 6-32 F x 6-32 F**
	Union, Electrode, Hex, 6-32 F x 6-32 F
5017651	**Tubing, 1/8" OD, PTFE, Flangeless 1 End, 3 FT**
	Tubing, 1/8" OD, PTFE, Flangeless One End, 3 feet.
5017797	**Seal Rinse Bottle, 2" DIA LDPE**
	Seal Rinse Bottle, 2" diameter LDPE.
5017798	**2 µL Loop 1/32" PEEKSIL, No Fittings**
	2 µL loop 1/32" Peeksil, No fittings.
5017799	**5 µL loop 1/32" Peeksil, no fittings.**
	5 µL loop 1/32" Peeksil, no fittings.
205-00054	**PEEKSIL, 200um ID, 1/32 OD, 32 cm, 10ul**
	10 µL loop, 1/32" PEEKsil, 200um ID, 1/32 OD, 32 cm
5017800	**Injection Valve Waste Tube Assy for EKS200**
	Injection Valve Waste Tube Assy for EKS200.
5017801	**Mixer to Valve Tube Assembly for EKS200**
	Mixer to Valve Tube Assy for EKS200.
5019820	**5 PK, Ferrule, 1/32" PEEKSIL to 1/16"10-32 Port**
	5 pk, Ferrule, 1/32" PEEKSil to 1/16" 10-32 Port.
5019821	**5 PK, Fitting 1/32" PEEKSIL to 1/16" 10-32 Port**
	5 pk, Fitting, 1/32" PEEKSil to 1/16" 10-32 Port.
205-00091	**Tube, PEEKSIL, 25um ID, 1/32" OD, 10cm**
	Tube, PEEKSil, 25umID, 1/32in OD, 10 cm.
5018474	**Auto Tuning Tube Assembly for EKS 200 Pumps**
	Auto Tuning Tube Assy for 20-200 uL/min EKS 200 Pumps.
200-00326	**Seal - Titan HT**
	Rotor seal, 6-port, ekspert microLC 200.
800-00393	**Column Oven Clamp for AB SCIEX MS Probe**
	Column oven clamp for AB SCIEX MS probe for ekspert microLC200.
910-00089	**Red, non-conductive fitting,3/pk (from upgrade kit)**
205-00058	**75 µm ID / 1/32" OD x 50 cm PEEKSil tubing (black)**
910-00081	**PEEKsil sample loop 1 µl, 1/32" OD**
200-00302	**1/16" to 1/32" SS reducing adapter**
200-00356	**Wrench, Nut Extender Tool, 6-32**
200-00404	**Wrench, Nut Extender Tool, 6-32 headless**
205-00041	**Tube,PEEKSil,50umID,1/32in OD,50cm**
205-00058	**Tubing, PEEKSIL, Black,50 CM**
920-00005	**Fitting, PEEK, .87 Long, 10 Pack**
910-00054	**SLEEVE,PEEK,1/16OD,.034"ID, PK10**
910-00021	**Fitting,hex SS, 1/16" 10pk**
200-00364	**Bulkhead reducing Union,1/16 to 1/32in.**
205-00052	**Tube,PEEKSil,20umID,1/32in OD,15cm**
205-00069	**Tube,PEEKSil,50umID,1/32in OD,10cm**
205-00038	**Tube,PEEKSil,50umID,1/32in OD,15cm**
205-00039	**Tube,PEEKSil,50umID,1/32in OD,20cm**
205-00040	**Tube,PEEKSil,50umID,1/32in OD,30cm**

910-00070	**Low pressure Fitting (5pk)**
205-00071	**75 µm ID / 1/32" OD x 20 cm PEEKSil tubing (black)**
200-00360	**75 µm ID / 1/32" OD x 10 cm PEEKSil tubing (black)**
205-00061	**75 µm ID / 1/32" OD x 30 cm PEEKSil tubing (black)**
910-00085	**1/32" SS nut (long) 10/pkg**
910-00086	**1/32" SS nut (short) 10/pkg**
200-00342	**PEEK Fitting, 6-32, column**
200-00418	**Filled PEEK fitting, 6-32 headless**
5019621	**1/32" PEEK nut with glass-filled PEEK ferrule (10pk)**
4466253	**IQOQ Svc Eksigent MicroLC200**
4466254	**OQ Svc Eksigent MicroLC 200**
4466255	**PQ Svc Eksigent MicroLC 200**

Installation, Warranties and Support

ABSX ASSURANCE 1PM|EK200LC	12-month AB SCIEX Assurance 1PM Plan
ABSX ASSURANCE 1PM|EKCTCXT	12-month AB SCIEX Assurance 1PM Plan
ABSX ASSURANCE 1PM|EKPRESS	12-month AB SCIEX Assurance 1PM Plan
ABSX EXT WARRANTY 1PM|EK200LC	12-month AB SCIEX Ext. Warranty 1PM Plan
ABSX EXT WARRANTY 1PM|EKCTCXT	12-month AB SCIEX Ext. Warranty 1PM Plan
ABSX EXT WARRANTY 1PM|EKPRESS	12-month AB SCIEX Ext. Warranty 1PM Plan

EKS cHiPLC, NanoLC and MicroLC Columns POI

Part No.	Product Description and Notes
cHiPLC Columns for use with the Eksigent cHiPLC system (formerly nanoflex cHiPLC	
804-00001	Nano cHiPLC column 75 µm x 15 cm ChromXP C18-CL 3 µm 120 Å
804-00002	Nano cHiPLC column 75 µm x 15 cm ChromXP C18-CL 5 µm 120 Å
804-00003	Nano cHiPLC column 75 µm x 15 cm ChromXP C18-CL 3 µm 300 Å
804-00004	Nano cHiPLC column 75 µm x 15 cm ChromXP C18-CL 5 µm 300 Å
804-00005	Nano cHiPLC column 75 µm x 15 cm ChromXP C8-CL 3 µm 120 Å
804-00011	Nano cHiPLC column 75 µm x 15 cm ReproSil-Pur C18-AQ 3 µm 120 Å
804-00018	Nano cHiPLC column 75 µm x 15 cm ChromXP C4-CL 5 µm 300 Å
804-00020	Nano cHiPLC column 75 µm x 15 cm Graphitized Carbon 3 µm 250 Å
804-00022	Nano cHiPLC column 75 µm x 15 cm HALO HILIC 2.7 µm
804-00006	Nano cHiPLC Trap column 200 µm x 0.5 mm ChromXP C18-CL 3 µm 120 Å
804-00007	Nano cHiPLC Trap column 200 µm x 0.5 mm ChromXP C18-CL 5 µm 120 Å
804-00008	Nano cHiPLC Trap column 200 µm x 0.5 mm ChromXP C18-CL 3µm 300 Å
804-00009	Nano cHiPLC Trap column 200 µm x 0.5 mm ChromXP C18-CL 5 µm 300 Å
804-00010	Nano cHiPLC Trap column 200 µm x 0.5 mm ChromXP C8-CL 3 µm 120 Å
804-00016	Nano cHiPLC Trap column 200 µm x 0.5 mm ReproSil-Pur C18-AQ 3 µm 120 Å
804-00019	Nano cHiPLC Trap column 200 µm x 0.5 mm ChromXP C4-CL 5 µm 300 Å
804-00021	Nano cHiPLC Trap column 200 µm x 0.5 mm Graphitized Carbon 3 µm 250 Å
804-00023	Nano cHiPLC Trap column 200 µm x 0.5 mm HALO HILIC 2.7 µm
5015839	Micro cHiPLC column 200 µm id x 5 cm, ChromXP C18 3um 120Å
5015840	Micro cHiPLC column 200 µm id x 15 cm, ChromXP C18 3um 120Å
5020544	MICRO cHiPLC COLUMN, HALO 2.7um 90A (200 µm ID)
5020548	MICRO cHiPLC COL 200um x 15cm HALO HILIC
5020547	MICRO cHiPLC COLUMN,GRAPHITIC CARBON 3um (200 µm ID)
5020543	Micro cHiPLC column 200 um id x 5 cm
5020545	Micro cHiPLC column 200 um id x 5 cm
5020549	Micro cHiPLC column 200 um id x 15 cm
5017027	Micro cHiPLC COLUMN CHROMXP, C4-CL,5um, 200um x 15cm
5015841	Micro cHiPLC Trap column 200 µm id x 6 mm, ChromXP C18 3 µm 120Å
5020550	Micro cHiPLC Trap column 200 um id x 6mm
5020551	MICRO cHiPLC TRAP COLUMN, HALO 2.7um 90A
5020553	MICRO cHiPLC TRAP COL, GRAPHITIC CARBON
5020554	MICRO cHiPLC TRAP COLUMN, HALO HILIC
NanoLC Columns and Trap Columns	
805-00120	ChromXP nanoLC column 75 µm id x 15 cm, ChromXP C18 3um 120Å
5016752	ChromXP nanoLC Trap column 350 µm id x 0.5 mm, ChromXP C18 3 µm 120Å (2/pkg)

910-00015	NanoLC column, 5 µm, ProteoPep II C18, 5 cm x 100 µm
910-00016	NanoLC column, 5 µm, ProteoPep II C18, 10 cm x 100 µm
910-00053	NanoLC trap column holder
5027467	Trap Cartridge Holder with 1/32" PEEK Fittings
5028897	10 x 0.3 mm trap cartridge ChromXP C18CL 5 um 120A 5/pk
5028898	10 x 0.5 mm trap cartridge ChromXP C18CL 5 um 120A 5/pk
5028658	C18 Column Guard for microLC
5028659	C8 Column Guard for microLC

MicroLC Columns

0.3 mm ID

micro LC columns ChromXP 0.3 mm ID with 1/32" end-fittings for use with the Eksigent

5022434	Col, 3 um, ChromXP C18CL, 120Å, 50x0.3mm
5022435	Col, 3 um, ChromXP C18CL, 120Å,100x0.3mm
5022436	Col, 3 um, ChromXP C18CL, 120Å,150x0.3mm
5022437	Col, 3 um, ChromXP C18CL, 300Å, 50x0.3mm
5022438	Col, 3 um, ChromXP C18CL, 300Å,100x0.3mm
5022439	Col, 3 um, ChromXP C18CL, 300Å,150x0.3mm
5022440	Col, 3 um, ChromXP C18AQ, 120Å, 50x0.3mm
5022441	Col, 3 um, ChromXP C18AQ, 120Å,100x0.3mm
5022442	Col, 3 um, ChromXP C18AQ, 120Å,150x0.3mm
5022432	Col, 3 um, ChromXP C18EP, 120Å,100x0.3mm
5022433	Col, 3 um, ChromXP C18EP, 120Å,150x0.3mm
5022461	Col, 3 um, ChromXP C18EP, 300Å, 50x0.3mm
5022462	Col, 3 um, ChromXP C18EP, 300Å,100x0.3mm
5022463	Col, 3 um, ChromXP C18EP, 300Å,150x0.3mm
5022443	Col 3 um, ChromXP C8EP, 120Å, 50x0.3mm
5022444	Col, 3 um, ChromXP C8EP, 120Å, 100x0.3mm
5022445	Col, 3 um, ChromXP C8EP, 120Å, 150x0.3mm
5022464	Col, 3 um, ChromXP C8EP, 300Å, 50x0.3mm
5022465	Col, 3 um, ChromXP C8EP, 300Å, 100x0.3mm
5022466	Col, 3 um, ChromXP C8EP, 300Å, 150x0.3mm
5022446	Col, 3 um, ChromXP C8CL, 120Å, 50x0.3mm
5022447	Col, 3 um, ChromXP C8CL, 120Å, 100x0.3mm
5022448	Col, 3 um, ChromXP C8CL, 120Å, 150x0.3mm
5022449	Col, 3 um, ChromXP Phenyl, 120Å,50x0.3mm
5022450	Col, 3 um, ChromXP Phenyl,120Å,100x0.3mm
5022451	Col, 3 um, ChromXP Phenyl,120Å,150x0.3mm
5022452	Col, 3 um, ChromXP C4, 120Å, 50 x 0.3mm
5022453	Col, 3 um, ChromXP C4, 120Å, 100x0.3 mm
5022454	Col, 3 um, ChromXP C4, 120Å, 150 x 0.3mm
5022467	Col, 3 um, ChromXP C4, 300Å, 50 x 0.3mm
5022468	Col, 3 um, ChromXP C4, 300Å, 100 x 0.3mm
5022469	Col, 3 um, ChromXP C4, 300Å, 150 x 0.3mm
5022455	Col, 3 um, ChromXP Cyano, 120Å, 50x0.3mm
5022456	Col, 3 um, ChromXP Cyano, 120Å,100x0.3mm
5022457	Col, 3 um, ChromXP Cyano, 120Å,150x0.3mm
5022458	Col, 3 um, ChromXP Amino, 120Å, 50x0.3mm

5022459	Col, 3 um, ChromXP Amino, 120Å,100x0.3mm
5022460	Col, 3 um, ChromXP Amino, 120Å,150x0.3mm
5022470	Col, 5 um, ChromXP C18EP, 300Å, 50x0.3mm
5022471	Col, 5 um, ChromXP C18EP, 300Å,100x0.3mm
5022472	Col, 5 um, ChromXP C18EP, 300Å,150x0.3mm
5022473	Col, 5 um, ChromXP C18CL, 300Å, 50x0.3mm
5022474	Col, 5 um, ChromXP C18CL, 300Å,100x0.3mm
5022475	Col, 5 um, ChromXP C18CL, 300Å,150x0.3mm
5022476	Col, 5 um, ChromXP C4, 300Å, 50 x 0.3 mm
5022477	Col, 5 um, ChromXP C4, 300Å, 100 x 0.3mm
5022478	Col, 5 um, ChromXP C4, 300Å, 150 x 0.3mm

5022479	Col, 2.7 um,HALO Fused-Core C18,30x0.3mm
5022480	Col, 2.7 um,HALO Fused-Core C18,50x0.3mm
5022481	Col, 2.7 um,HALO Fused-CoreC18,100x0.3mm
5022482	Col, 2.7 um,HALO Fused-CoreC18,150x0.3mm
805-05200	Column, 2.7µm, HALO Fused-Core C8, 50x0.3mm, 1/32"
5016990	COLUMN, 2.7µm, 5cm, 300um ID, HALO Fused Core Phenyl Hexyl, 50 x 0.3 mm, 1/32"
5039574	COLUMN* 2.7um HALO Peptide-ES C18 (3CM LENGTH 300um ID)
5039576	COLUMN* 2.7um HALO Peptide-ES C18 (5CM LENGTH 300um ID)
5039578	COLUMN* 2.7um HALO Peptide-ES C18 (10CM LENGTH 300um ID)
5039580	COLUMN* 2.7um HALO Peptide-ES C18 (15CM LENGTH 300um ID)

0.5 mm ID

micro LC columns ChromXP 0.5 mm ID with 1/32" end-fittings for use with the Eksigent

805-10016	Column, 3 µm, ChromXP C18CL, 300Å, 30 x 0.5 mm
805-10013	Column, 3 µm, ChromXP C18CL, 120Å, 50 x 0.5 mm
805-10014	Column, 3 µm, ChromXP C18CL, 120Å, 100 x 0.5 mm
805-10015	Column, 3 µm, ChromXP C18CL, 120Å, 150 x 0.5 mm
805-10012	Column, 3 µm, ChromXP C18CL, 120Å, 30 x 0.5 mm
805-10017	Column, 3 µm, ChromXP C18CL, 300Å, 50 x 0.5 mm
805-10018	Column, 3 µm, ChromXP C18CL, 300Å, 100 x 0.5 mm
805-10019	Column, 3 µm, ChromXP C18CL, 300Å, 150 x 0.5 mm
805-10000	Column, 3 µm, ChromXP C18AR, 120Å, 30 x 0.5 mm
805-10001	Column, 3 µm, ChromXP C18AR, 120Å, 50 x 0.5 mm
805-10002	Column, 3 µm, ChromXP C18AR, 120Å, 100 x 0.5 mm
805-10003	Column, 3 µm, ChromXP C18AR, 120Å, 150 x 0.5 mm
805-10004	Column, 3 µm, ChromXP C18EP, 120Å, 30 x 0.5 mm
805-10005	Column, 3 µm, ChromXP C18EP, 120Å, 50 x 0.5 mm
805-10006	Column, 3 µm, ChromXP C18EP, 120Å, 100 x 0.5 mm
805-10007	Column, 3 µm, ChromXP C18EP, 120Å, 150 x 0.5 mm
805-10020	Column, 3 µm, ChromXP C18AQ, 120Å, 30 x 0.5 mm
805-10021	Column, 3 µm, ChromXP C18AQ, 120Å, 50 x 0.5 mm
805-10022	Column, 3 µm, ChromXP C18AQ, 120Å, 100 x 0.5 mm
805-10023	Column, 3 µm, ChromXP C18AQ, 120Å, 150 x 0.5 mm
805-10028	Column, 3 µm, ChromXP C8CL, 120Å, 30 x 0.5 mm
805-10029	Column, 3 µm, ChromXP C8CL, 120Å, 50 x 0.5 mm
805-10030	Column, 3 µm, ChromXP C8CL, 120Å, 100 x 0.5 mm
805-10031	Column, 3 µm, ChromXP C8CL, 120Å, 150 x 0.5 mm

805-10024	Column, 3 µm, ChromXP C8EP, 120Å, 30 x 0.5 mm
805-10025	Column, 3 µm, ChromXP C8EP, 120Å, 50 x 0.5 mm
805-10026	Column, 3 µm, ChromXP C8EP, 120Å, 100 x 0.5 mm
805-10027	Column, 3 µm, ChromXP C8EP, 120Å, 150 x 0.5 mm
805-10032	Column, 3 µm, ChromXP Phenyl, 120Å, 30 x 0.5 mm
805-10033	Column, 3 µm, ChromXP Phenyl, 120Å, 50 x 0.5 mm
805-10034	Column, 3 µm, ChromXP Phenyl, 120Å, 100 x 0.5 mm
805-10035	Column, 3 µm, ChromXP Phenyl, 120Å, 150 x 0.5 mm
805-10036	Column, 3 µm, ChromXP C4, 120Å, 30 x 0.5 mm
805-10037	Column, 3 µm, ChromXP C4, 120Å, 50 x 0.5 mm
805-10038	Column, 3 µm, ChromXP C4, 120Å, 100 x 0.5 mm
805-10039	Column, 3 µm, ChromXP C4, 120Å, 150 x 0.5 mm
805-10040	Column, 3 µm, ChromXP Cyano, 120Å, 30 x 0.5 mm
805-10041	Column, 3 µm, ChromXP Cyano, 120Å, 50 x 0.5 mm
805-10042	Column, 3 µm, ChromXP Cyano, 120Å, 100 x 0.5 mm
805-10043	Column, 3 µm, ChromXP Cyano, 120Å, 150 x 0.5 mm
805-10044	Column, 3 µm, ChromXP Amino, 120Å, 30 x 0.5 mm
805-10045	Column, 3 µm, ChromXP Amino, 120Å, 50 x 0.5 mm
805-10046	Column, 3 µm, ChromXP Amino, 120Å, 100 x 0.5 mm
805-10047	Column, 3 µm, ChromXP Amino, 120Å, 150 x 0.5 mm
805-10048	Column, 3 µm, ChromXP C18EP, 300Å, 30 x 0.5 mm
805-10049	Column, 3 µm, ChromXP C18EP, 300Å, 50 x 0.5 mm
805-10050	Column, 3 µm, ChromXP C18EP, 300Å, 100 x 0.5 mm
805-10051	Column, 3 µm, ChromXP C18EP, 300Å, 150 x 0.5 mm
805-10052	Column, 3 µm, ChromXP C8EP, 300Å, 30 x 0.5 mm
805-10053	Column, 3 µm, ChromXP C8EP, 300Å, 50 x 0.5 mm
805-10054	Column, 3 µm, ChromXP C8EP, 300Å, 100 x 0.5 mm
805-10055	Column, 3 µm, ChromXP C8EP, 300Å, 150 x 0.5 mm
805-10056	Column, 3 µm, ChromXP C4, 300Å, 30 x 0.5 mm
805-10057	Column, 3 µm, ChromXP C4, 300Å, 50 x 0.5 mm
805-10058	Column, 3 µm, ChromXP C4, 300Å, 100 x 0.5 mm
805-10059	Column, 3 µm, ChromXP C4, 300Å, 150 x 0.5 mm
805-10060	Column, 3 µm, ChromXP Si, 120Å, 30 x 0.5 mm
805-10061	Column, 3 µm, ChromXP Si, 120Å, 50 x 0.5 mm
805-10062	Column, 3 µm, ChromXP Si, 120Å, 100 x 0.5 mm
805-10063	Column, 3 µm, ChromXP Si, 120Å, 150 x 0.5 mm
805-10082	Column, 5 µm, ChromXP C18CL, 120Å, 30 x 0.5 mm
805-10083	Column, 5 µm, ChromXP C18CL, 120Å, 50 x 0.5 mm
805-10084	Column, 5 µm, ChromXP C18CL, 120Å, 100 x 0.5 mm
805-10085	Column, 5 µm, ChromXP C18CL, 120Å, 150 x 0.5 mm
805-10086	Column, 5 µm, ChromXP C18CL, 300Å, 30 x 0.5 mm
805-10087	Column, 5 µm, ChromXP C18CL, 300Å, 50 x 0.5 mm
805-10088	Column, 5 µm, ChromXP C18CL, 300Å, 100 x 0.5 mm
805-10089	Column, 5 µm, ChromXP C18CL, 300Å, 150 x 0.5 mm
805-10074	Column, 5 µm, ChromXP C18EP, 120Å, 30 x 0.5 mm
805-10075	Column, 5 µm, ChromXP C18EP, 120Å, 50 x 0.5 mm
805-10076	Column, 5 µm, ChromXP C18EP, 120Å, 100 x 0.5 mm
805-10077	Column, 5 µm, ChromXP C18EP, 120Å, 150 x 0.5 mm
805-10078	Column, 5 µm, ChromXP C18EP, 300Å, 30 x 0.5 mm
805-10079	Column, 5 µm, ChromXP C18EP, 300Å, 50 x 0.5 mm
805-10080	Column, 5 µm, ChromXP C18EP, 300Å, 100 x 0.5 mm

805-10081	Column, 5 µm, ChromXP C18EP, 300Å, 150 x 0.5 mm
805-10090	Column, 5 µm, ChromXP C4, 300Å, 30 x 0.5 mm
805-10091	Column, 5 µm, ChromXP C4, 300Å, 50 x 0.5 mm
805-10092	Column, 5 µm, ChromXP C4, 300Å, 100 x 0.5 mm
805-10093	Column, 5 µm, ChromXP C4, 300Å, 150 x 0.5 mm

5029773	Column, 10cm, 2.7 µm HALO Fuse C8, 500 µm ID
805-10099	Column, 2.7 µm, HALO Fused-Core C18, 30 x 0.5 mm
805-10100	Column, 2.7 µm, HALO Fused-Core C18, 50 x 0.5 mm
805-10101	Column, 2.7 µm, HALO Fused-Core C18, 100 x 0.5 mm
805-10102	Column, 2.7 µm, HALO Fused-Core C18, 150 x 0.5 mm
805-10116	Column, 2.7 µm, HALO Fused-Core Phenyl Hexyl 90Å, 150 x 0.5 mm
5016991	COLUMN, 2.7 µm, HALO Fused-Core Phenyl Hexyl, 90Å, 50 x 0.5 mm
5039575	COLUMN* 2.7um HALO Peptide-ES C18(3CM LENGTH 500um ID)
5039577	COLUMN* 2.7um HALO Peptide-ES C18 (5CM LENGTH 500um ID)
5039579	COLUMN* 2.7um HALO Peptide-ES C18 (10CM LENGTH 500um ID)
5039581	COLUMN* 2.7um HALO Peptide-ES C18 (15CM LENGTH 500um ID)

1.0 mm ID

micro LC columns ChromXP 1 mm ID with 1/32" end-fittings for use with the Eksigent

805-20004	Column, 3 µm, ChromXP C18EP, 120Å, 30 x 1 mm
805-20005	Column, 3 µm, ChromXP C18EP, 120Å, 50 x 1 mm
805-20012	Column, 3 µm, ChromXP C18CL, 120Å, 30 x 1 mm
805-20013	Column, 3 µm, ChromXP C18CL, 120Å, 50 x 1 mm
805-20102	Column, 3 µm, ChromXP C18CL, 300Å, 50 x 1 mm
805-20099	Column, 2.7 µm, HALO Fused-Core C18, 30 x 1 mm
805-20100	Column, 2.7 µm, HALO Fused-Core C18, 50 x 1 mm
805-20101	Column, 2.7 µm, HALO Fused-Core C18, 10 x 1 mm

5016057	Column blank, 100 x 0.5 mm Hardware for customers to use to pack their own column
5016058	Column blank, 50 x 0.5 mm Hardware for customers to use to pack their own column

OLDER STYLE END FITTING COLUMNS

micro LC columns ChromXP 0.3 mm ID with 0.025" end-fittings for use with ExpressLC 100

805-00001	Column, 3 µm, ChromXP C18AR, 120Å, 50 x 0.3 mm
805-00002	Column, 3 µm, ChromXP C18AR, 120Å, 100 x 0.3 mm
805-00003	Column, 3 µm, ChromXP C18AR, 120Å, 150 x 0.3 mm
805-00012	Column, 3 µm, ChromXP I C18CL, 120Å, 30 x 0.3 mm
805-00013	Column, 3 µm, ChromXP C18CL, 120Å, 50 x 0.3 mm
805-00014	Column, 3 µm, ChromXP C18CL, 120Å, 100 x 0.3 mm
805-00015	Column, 3 µm, ChromXP C18CL, 120Å, 150 x 0.3 mm
805-00016	Column, 3 µm, ChromXP C18CL, 300Å, 30 x 0.3 mm
805-00017	Column, 3 µm, ChromXP C18CL, 300Å, 50 x 0.3 mm
805-00018	Column, 3 µm, ChromXP C18CL, 300Å, 100 x 0.3 mm
805-00019	Column, 3 µm, ChromXP C18CL, 300Å, 150 x 0.3 mm
805-00020	Column, 3 µm, ChromXP C18AQ, 120Å, 30 x 0.3 mm
805-00021	Column, 3 µm, ChromXP C18AQ, 120Å, 50 x 0.3 mm

805-00022	Column, 3 µm, ChromXP C18AQ, 120Å, 100 x 0.3 mm
805-00023	Column, 3 µm, ChromXP C18AQ, 120Å, 150 x 0.3 mm
805-00004	Column, 3 µm, ChromXP C18EP, 120Å, 30 x 0.3 mm
805-00005	Column, 3 µm, ChromXP C18EP, 120Å, 50 x 0.3 mm
805-00006	Column, 3 µm, ChromXP C18EP, 120Å, 100 x 0.3 mm
805-00007	Column, 3 µm, ChromXP C18EP, 120Å, 150 x 0.3 mm
805-00048	Column, 3 µm, ChromXP C18EP, 300Å, 30 x 0.3 mm
805-00049	Column, 3 µm, ChromXP C18EP, 300Å, 50 x 0.3 mm
805-00050	Column, 3 µm, ChromXP C18EP, 300Å, 100 x 0.3 mm
805-00051	Column, 3 µm, ChromXP C18EP, 300Å, 150 x 0.3 mm
805-00028	Column, 3 µm, ChromXP C8CL, 120Å, 30 x 0.3 mm
805-00029	Column, 3 µm, ChromXP C8CL, 120Å, 50 x 0.3 mm
805-00030	Column, 3 µm, ChromXP C8CL, 120Å, 100 x 0.3 mm
805-00031	Column, 3 µm, ChromXP C8CL, 120Å, 150 x 0.3 mm
805-00024	Column, 3 µm, ChromXP C8EP, 120Å, 30 x 0.3 mm
805-00025	Column, 3 µm, ChromXP C8EP, 120Å, 50 x 0.3 mm
805-00026	Column, 3 µm, ChromXP C8EP, 120Å, 100 x 0.3 mm
805-00027	Column, 3 µm, ChromXP C8EP, 120Å, 150 x 0.3 mm
805-00052	Column, 3 µm, ChromXP C8EP, 300Å, 30 x 0.3 mm
805-00053	Column, 3 µm, ChromXP C8EP, 300Å, 50 x 0.3 mm
805-00054	Column, 3 µm, ChromXP C8EP, 300Å, 100 x 0.3 mm
805-00055	Column, 3 µm, ChromXP C8EP, 300Å, 150 x 0.3 mm
805-00032	Column, 3 µm, ChromXP Phenyl, 120Å, 30 x 0.3 mm
805-00033	Column, 3 µm, ChromXP Phenyl, 120Å, 50 x 0.3 mm
805-00034	Column, 3 µm, ChromXP Phenyl, 120Å, 100 x 0.3 mm
805-00035	Column, 3 µm, ChromXP Phenyl, 120Å, 150 x 0.3 mm
805-00036	Column, 3 µm, ChromXP C4, 120Å, 30 x 0.3 mm
805-00037	Column, 3 µm, ChromXP C4, 120Å, 50 x 0.3 mm
805-00038	Column, 3 µm, ChromXP C4, 120Å, 100 x 0.3 mm
805-00039	Column, 3 µm, ChromXP C4, 120Å, 150 x 0.3 mm
805-00056	Column, 3 µm, ChromXP C4, 300Å, 30 x 0.3 mm
805-00057	Column, 3 µm, ChromXP C4, 300Å, 50 x 0.3 mm
805-00058	Column, 3 µm, ChromXP C4, 300Å, 100 x 0.3 mm
805-00059	Column, 3 µm, ChromXP C4, 300Å, 150 x 0.3 mm
805-00040	Column, 3 µm, ChromXP Cyano, 120Å, 30 x 0.3 mm
805-00041	Column, 3 µm, ChromXP Cyano, 120Å, 50 x 0.3 mm
805-00042	Column, 3 µm, ChromXP Cyano, 120Å, 100 x 0.3 mm
805-00043	Column, 3 µm, ChromXP Cyano, 120Å, 150 x 0.3 mm
805-00044	Column, 3 µm, ChromXP Amino, 120Å, 30 x 0.3 mm
805-00045	Column, 3 µm, ChromXP Amino, 120Å, 50 x 0.3 mm
805-00046	Column, 3 µm, ChromXP Amino, 120Å, 100 x 0.3 mm
805-00047	Column, 3 µm, ChromXP Amino, 120Å, 150 x 0.3 mm
805-00060	Column, 3 µm, ChromXP Si, 120Å, 30 x 0.3 mm
805-00061	Column, 3 µm, ChromXP Si, 120Å, 50 x 0.3 mm
805-00062	Column, 3 µm, ChromXP Si, 120Å, 100 x 0.3 mm
805-00063	Column, 3 µm, ChromXP Si, 120Å, 150 x 0.3 mm
805-00074	Column, 5 µm, ChromXP C18EP, 120Å, 30 x 0.3 mm
805-00075	Column, 5 µm, ChromXP C18EP, 120Å, 50 x 0.3 mm
805-00076	Column, 5 µm, ChromXP C18EP, 120Å, 100 x 0.3 mm
805-00077	Column, 5 µm, ChromXP C18EP, 120Å, 150 x 0.3 mm
805-00078	Column, 5 µm, ChromXP C18EP, 300Å, 30 x 0.3 mm

805-00079	Column, 5 µm, ChromXP C18EP, 300Å, 50 x 0.3 mm
805-00080	Column, 5 µm, ChromXP C18EP, 300Å, 100 x 0.3 mm
805-00081	Column, 5 µm, ChromXP C18EP, 300Å, 150 x 0.3 mm
805-00082	Column, 5 µm, ChromXP C18CL, 120Å, 30 x 0.3 mm
805-00083	Column, 5 µm, ChromXP C18CL, 120Å, 50 x 0.3 mm
805-00084	Column, 5 µm, ChromXP C18CL, 120Å, 100 x 0.3 mm
805-00085	Column, 5 µm, ChromXP C18CL, 120Å, 150 x 0.3 mm
805-00086	Column, 5 µm, ChromXP C18CL, 300Å, 30 x 0.3 mm
805-00087	Column, 5 µm, ChromXP C18CL, 300Å, 50 x 0.3 mm
805-00088	Column, 5 µm, ChromXP C18CL, 300Å, 100 x 0.3 mm
805-00089	Column, 5 µm, ChromXP C18CL, 300Å, 150 x 0.3 mm
805-00090	Column, 5 µm, ChromXP C4, 300Å, 30 x 0.3 mm
805-00091	Column, 5 µm, ChromXP C4, 300Å, 50 x 0.3 mm
805-00092	Column, 5 µm, ChromXP C4, 300Å, 100 x 0.3 mm
805-00093	Column, 5 µm, ChromXP C4, 300Å, 150 x 0.3 mm
805-00099	Column, 2.7 µm, HALO Fused-Core C18, 30 x 0.3 mm
805-00100	Column, 2.7 µm, HALO Fused-Core C18, 50 x 0.3 mm
805-00101	Column, 2.7 µm, HALO Fused-Core C18, 100 x 0.3 mm
805-00102	Column, 2.7 µm, HALO Fused-Core C18, 150 x 0.3 mm