

NexION

1000/2000/5000 ICP-MS
CONSUMABLES
AND SUPPLIES



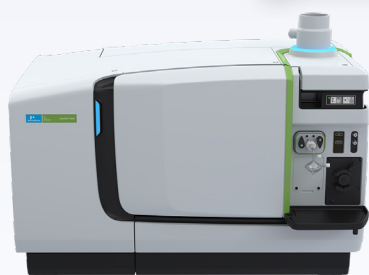
Introduction and Overview

NexION® 1000/2000/5000 ICP-MS consumables and supplies are designed with your instrument in mind. Each part is fit to perform and manufactured with the highest quality materials available. Whether you are looking for sample introduction components or standards, we have the consumables you need to keep your NexION up and running smoothly and efficiently.



NexION® 1000
ICP-MS

NexION® 2000
ICP-MS



NexION® 5000
ICP-MS

TRUST THE CONSUMABLES
ENGINEERED FOR
YOUR INSTRUMENTS

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Sampler and Skimmer Cones

Precision-designed and manufactured, large-orifice sampler and skimmer cones provide superior long-term stability and resist clogging, allowing analysis under both high and low sample-uptake conditions. Nickel is a very rugged, long-lasting material for the majority of sample types, while platinum is the material of choice for more corrosive samples. They have been designed to maximize signal stability and to minimize clogging during extended runs of samples containing high dissolved solids.

Nickel Sampler and Skimmer Cones

Type	Material	ICP-MS Model	Part No.
Sampler	Nickel	NexION 1000/2000/5000	W1033612
Skimmer	Nickel	NexION 1000/2000	W1026356

Platinum Sampler and Skimmer Cones

Type	Material	ICP-MS Model	Part No.
Sampler	Platinum	NexION 1000/2000/5000	W1033614
Sampler for Sulfur Based Acids/Solvents (18 mm)	Platinum	NexION 1000/2000/5000	N8145028
Skimmer	Platinum	NexION 1000/2000	W1026907
Skimmer	Platinum	NexION 5000	N8161041

Hyper Skimmer Cones

Type	Material	ICP-MS Model	Part No.
Hyper Skimmer Cone	Aluminum	NexION 1000/2000	W1033995
Hyper Skimmer Cone	Nickel	NexION 5000	N8160120



Sampler for NexION 1000/2000/5000 (W1033612) and Skimmer Cone for NexION 1000/2000 (W1026356)



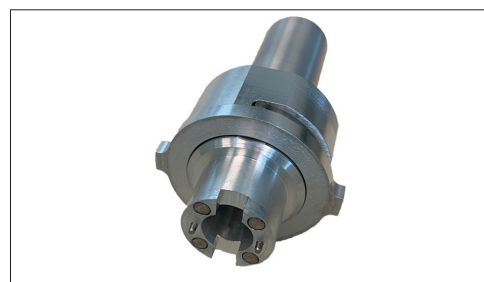
Hyper Skimmer Cone for NexION 1000/2000 (W1033995)



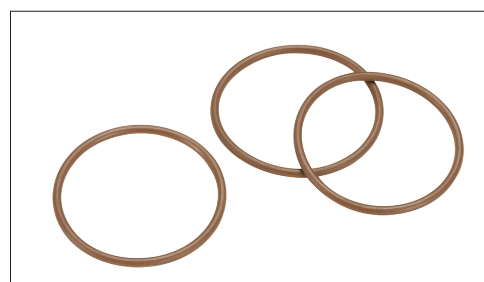
Hyper Skimmer Cone for NexION 5000 (N8160120)



Cone Removal Tool for NexION 1000/2000 (W1034694)



Hyper Skimmer Removal Tool for NexION 5000 (N8160119)



Hyper Skimmer O-Ring for NexION 1000/2000 (09902123)

Replacement Parts

Description	ICP-MS Model	Part No.
Sampler Gasket	NexION 1000/2000/5000	W1040148
Hyper Skimmer O-Ring	NexION 1000/2000	09902123
Hyper Skimmer O-Ring	NexION 5000	09211389
Hyper Skimmer Screw	NexION 1000/2000	WE027484
Cone Removal Tool	NexION 1000/2000	W1034694
Sampler Skimmer Removal Tool	NexION 5000*	N8160118
Hyper Skimmer Removal Tool	NexION 5000	N8160119
Torch Alignment Tool	NexION 1000/2000/5000	N8157042

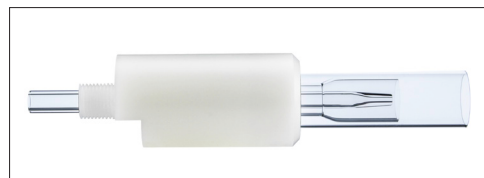
*Hyper Skimmer Removal Tool (N8160119) also needed for NexION 5000.

Quartz Torches

Torch	Description	Part No.
Demountable Quartz Torch (Black)	Demountable Quartz Torch, PVDF o-ring free holder for demountable injectors.	N8152379
Demountable UHP Quartz Torch (Gray)	Demountable Ultra Pure Quartz Torch, PVDF O-Ring Free Holder for Demountable Injectors.	N8152448
Demountable Quartz Torch (Organics)	Demountable Quartz Torch for Organic Analysis with PVDF oring-free holder.	N8152596
Fixed 2.0 mm Injector UHP Quartz Torch (White)	One Piece Ultra Pure Quartz Torch with 2.0 mm Injector, PVDF O-Ring Free Holder for 'S' Configuration.	N8152428
Fixed 2.0 mm Injector Quartz Torch (Blue/Purple)	One Piece Quartz Torch with 2.0 mm Injector, PVDF O-Ring Free Holder for 'B' Configuration.	N8152472
Fixed 2.5 mm Injector Quartz Torch (Green)	One piece quartz torch with 2.5 mm injector, PVDF o-ring free holder for "C" configuration.	N8152473
Fixed 1.5 mm Injector Quartz Torch (Blue/Blue)	One Piece Quartz Torch with 1.5 mm Injector, PVDF O-Ring Free Holder.	N8152427
Fixed 1.5 mm Injector Quartz Torch (Orange)	One Piece Quartz Torch with 1.5 mm Injector, PVDF O-Ring Free Holder for Organic Solvents.	N8152616
Fixed 1.5 mm Injector UHP Quartz Torch (White/White)	One Piece Ultra Pure Quartz Torch with 1.0 mm Injector, PVDF O-Ring Free Holder.	N8152601
Fixed 1.0 mm Injector Quartz Torch (Orange/Orange)	One Piece Quartz Torch with 1.0 mm Injector, PVDF O-Ring Free Holder for High Volatility Organic Solvents.	N8152474
Fixed 1.0 mm Injector Quartz Torch (Blue/Blue/Blue)	One Piece Quartz Torch with 1.0 mm Injector, PVDF O-Ring Free Holder	N8152699
Fixed 1.0 mm Injector UHP Quartz Torch (White/White/White)	One Piece Ultra Pure Quartz Torch with 1.0 mm Injector, PVDF O-Ring Free Holder	N8152600
Torch Injector Nut		N8152451
Torch Injector Nut Removal Tool		N8152443
Torch O-Ring Kit	Viton O-Ring Kit Includes: 2.8 mm ID (Qty. 4), 14 mm ID (Qty. 1) and 16 mm ID (Qty. 1)	N8152476
PTFE Torch Light Shield Disk		N8152377



Fixed SilQ 2 mm Torch (N8152428)



Fixed 1.5 mm Torch (N8152427)



One Piece Quartz Torch with 2.5 mm Injector (N8152473)



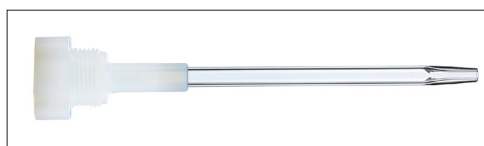
Torch Injector Nut (N8152451)



PTFE Torch Light Shield Disk (N8152377)

Demountable Injectors

Description	Part No.
2.5 mm Demountable Quartz Injector (Black/Green)	N8152446
2.0 mm Demountable Quartz Injector (Black)	N8152376
1.5 mm Demountable Quartz Injector (Black/Orange)	N8152445
1.0 mm Demountable Quartz Injector (Black/Orange/Orange)	N8152444
1.0 mm Demountable Platinum Injector (Gray/Gray/Gray)	N8152603
1.5 mm Demountable Platinum Injector (Gray/Gray)	N8152604
2.0 mm Demountable Platinum Injector (Gray)	N8152429
1.5 mm Demountable Sapphire Injector (Black/Gold/Gold)	N8152606
2.0 mm Demountable Sapphire Injector (Black/Gold)	N8152447
Platinum Shield Disc for NexION Platinum and Sapphire Injectors	N8151106



2 mm Demountable Quartz Injector (N8152376)



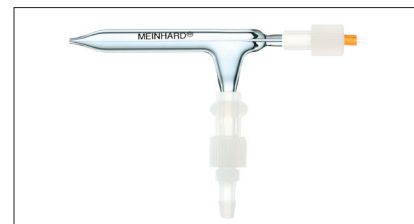
2 mm Demountable Platinum Injector (N8152429)

Nebulizers

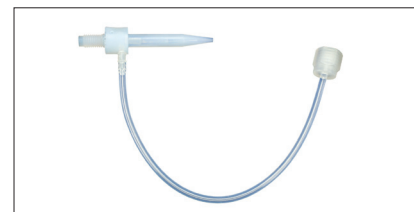
Concentric Plus Nebulizers provide low dead volume and high sensitivity with excellent detection limits and washout. Each Plus nebulizer includes the FitKit+ gas and sample quick connect fittings. The connections are made with high-purity PFA, minimizing the chance of contamination during backflow events. The gas connection fits snugly over the maria on the sidearm of the nebulizer.

Material	Product Name	Description	Part No.
Glass	Concentric Type CT R +	High performance glass	N8152373
Quartz	Concentric Type CT Q +	High performance quartz	N8152372
UHP Quartz	Concentric Type CT SilQ +	High performance ultra-high purity quartz	N8152384
PFA	PFA ST3	High performance, HF resistant	N8152378
PFA	PFA LC Microflow	For coupling LC ICP-MS	N8152477

*See page 8 for Nebulizer Fittings and Capillaries



SilQ Plus Quartz Nebulizer (N8152384)

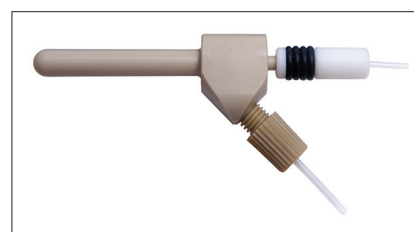


PFA ST3 Nebulizer Assembly (N8152378)

DuraMist Nebulizers

The DuraMist concentric nebulizer is an economical nebulizer for high precision analyses involving samples digested in HF.

Material	Uptake Rate	Part No.
PEEK	0.4 mL/min	N8151077
PEEK	1.0 mL/min	N8151078



DuraMist Nebulizer (N8121046)

MicroMist Nebulizers

The MicroMist micro-uptake glass concentric nebulizer offers high performance for limited sample volumes. Direct Connection (DC) Nebulizers are fitted with a UniFit connector and an Argon connector. MicroMist Nebulizers include a Gas Fitting with ratchet connector (**N8151079**).

Material	Uptake Rate	Part No.
Glass	0.05 mL/min	N8151076
Glass	0.1 mL/min	N8151075
Glass	0.2 mL/min	N8151074
Glass	0.4 mL/min	N8151073



MicroMist Nebulizer (N8151076)

SeaSpray Nebulizers

The SeaSpray concentric nebulizer is ideal for samples with high dissolved solids and offers outstanding nebulization efficiency for trace level analysis. Direct Connection (DC) Nebulizers are fitted with a UniFit connector and an Argon connector. SeaSpray Nebulizers include a Gas Fitting with ratchet connector (**N8151079**).

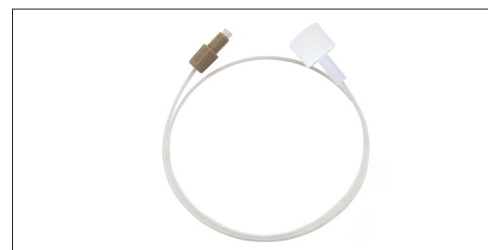
Material	Uptake Rate	Part No.
Glass	0.4 mL/min	N8151070
Quartz	1.0 mL/min	N8151072
Glass	2.0 mL/min	N8151071



SeaSpray Nebulizer (N8151070)

Direct Connection Nebulizer Gas Fitting

Description	Part No.
1/8 Gas Fitting with Ratchet Nebulizer Connector (DC)	N8151079
1/8 Gas Fitting with Ratchet Nebulizer Connector (DC) Pkg. 10	N8151107



Ratchet Nebulizer Connector (N8151079)

pergo Argon Humidifiers

The *pergo* 2000 improves performance of all concentric nebulizers. It maintains nebulizer efficiency – which decreases long before a clogged tip is detected – and improves sensitivity and stability by preventing unnoticed salt crystals from forming in the nebulizer tip.

Description	Part No.
<i>pergo</i> 1 without Nebulizer	N8145315
<i>pergo</i> 1 with MEINHARD Type C Nebulizer	N8145316
<i>pergo</i> 1 with PFA-ST Nebulizer	N8150427
<i>pergo</i> 2 without Nebulizer	N8150743
<i>pergo</i> 2 with MEINHARD Type C Plus Nebulizer	N8150428
<i>pergo</i> 2 with PFA-ST Nebulizer	N8150429
<i>pergo</i> 1 NexION 1000/2000 Gas Line Conversion Kit	N8152683
<i>pergo</i> 2 NexION 1000/2000 Gas Line Conversion Kit	N8152692
<i>pergo</i> Gas Extensions	N8152688
<i>pergo</i> 2000	N8150499
<i>pergo</i> 2000 AMS	N8150498

FEATURES AND BENEFITS:

- Improved RSDs
- Improved short and long-term stability
- Improved detection limits
- Faster washout
- Ability to use high-sensitivity nebulizers for high-TDS samples
- Reduce long-term drift
- Extends the length of analytical runs



pergo Argon Humidifier (N8145315)

Elegra Argon Humidifiers

The Elegra argon humidifier is used in ICP analyses involving samples with high concentrations of dissolved solids. It helps to alleviate salt deposits in the nebulizer and torch injector, allowing uninterrupted and maintenance free operation.

- Highly efficient membrane humidification technology.
- Improved signal stability for samples with high TDS.
- Elegra Dual two-channel configuration available for ICP-MS instruments using auxiliary argon.

Description	Part No.
<i>Elegra</i> Argon Humidifier	N8150493
<i>Elegra</i> Dual Two-Channel Argon Humidifier	N8150494



pergo Argon Humidifier 2000 (N8150499)



Elegra Argon Humidifier (N8150494)

Spray Chambers

The cyclonic spray chamber relies on momentum to efficiently and quickly remove the larger droplets from the sample mist decreasing any opportunity for occlusion or agglomeration of the smaller droplets. The result is higher efficiency, better precision and faster washouts than other spray chamber designs.

- Decreased sample introduction system installation and optimization time due to the preset nature of the spray chamber/nebulizer combination
- More samples per hour due to minimal dead volume and efficient draining

Type	Description	Part No.
Glass Cyclonic High Sensitivity Spray Chamber	For NexION 2000 ICP-MS Base "B" Configuration	N8152375
Glass Cyclonic High Sensitivity Spray Chamber with Matrix Gas Port	For NexION 1000 and 2000 ICP-MS Core "C" and Productivity "P" Configurations	N8152389
SilQ Cyclonic High Sensitivity Spray Chamber	For NexION 2000 ICP-MS Semicon "S" Configuration	N8152424
SilQ Cyclonic Spray Chamber with Matrix Gas Port	For NexION 5000 ICP-MS	N8152539
Quartz Cyclonic High Sensitivity Spray Chamber with Matrix Gas Port	For applications requiring low levels of Boron and Silicon detection	N8152383
PFA Barrel Spray Chamber	PFA Double Pass Spray Chamber for use with HF acid	N8152390
PFA Barrel Spray Chamber with Additional Gas Port	PFA Double Pass Spray Chamber for use with HF acid	N8150450

Spray Chamber Components

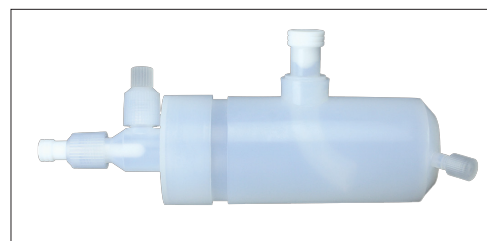
Description	Part No.
UV Light Shield for for cyclonic spray chamber NexION 1000/2000 ICP-MS "B" Configuration	N8152425
UV Light Shield for UV shield for PC3X Peltier cooler/heater NexION 2000 ICP-MS "C", "P", and "S" Configurations (for use with PC ³)	N8152475
Threaded Spray Chamber Drain Line 1/4 -28 Fitting	N8152456



Glass Cyclonic Chamber (N8152375)



Glass Cyclonic High Sensitivity Spray Chamber with Matrix Gas Port (N8152389)



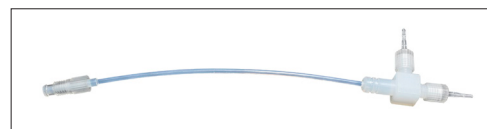
PFA Barrel Spray Chamber with Additional Gas Port (N8150450)



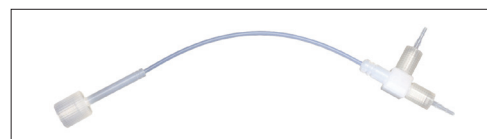
UV PC³ Light Shield (N8152475)

Nebulizer Fittings and Capillaries

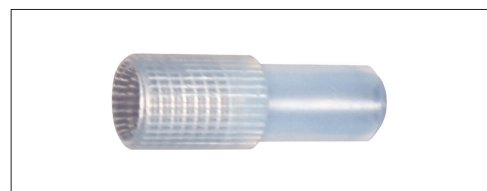
Description	Part No.
MEINHARD® Nebulizer Internal Standard Tee	N8152386
PFA-ST Nebulizer Internal Standard Addition Tee	N8152423
MEINHARD® Plus Nebulizer Fitting for Concentric Nebulizer (N8152378)	N8152387
Peripump Union - Male Barb CTFE Fitting	N8152453
Peripump Union - Female Barb CTFE Fitting	N8152388
Sample Introduction Line for PFA-ST Nebulizer	N8152455
MEINHARD® Plus Sample Introduction Line for Concentric Nebulizer	N8145503
Concentric Nebulizer 6" Gas Line	N8152385
Matrix Gas Line for Oxygen Addition	N8152426
AMS Gas Line	N8152374
Internal Standard Probe	N8152452
PTFE Torch Light Shield Disk	N8152377
Union Fittings for LC to PFA Nebulizer	N8152478
Teflon Connection Line for PFA LC Microflow Nebulizer	N8152479
0.15 mm ST Capillary Line for PFA Microflow Nebulizer	N8152480
1/8 Gas Fitting with Ratchet Nebulizer Connector	N8151079



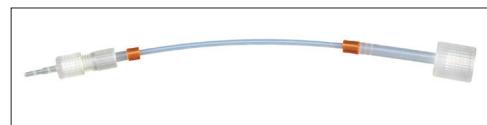
Internal Standard Tee for MEINHARD® Plus Nebulizer (N8152386)



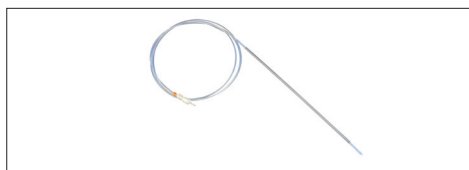
Internal Standard Addition Tee (N8152423)



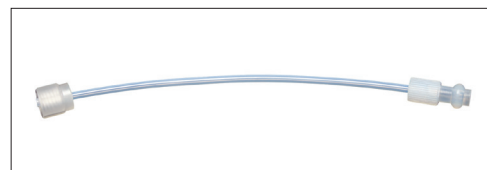
10-32 Union for MEINHARD® Plus Nebulizer (N8152387)



Sample Introduction Line for PFA-ST Nebulizer (N8152455)



Internal Standard Probe (N8152452)

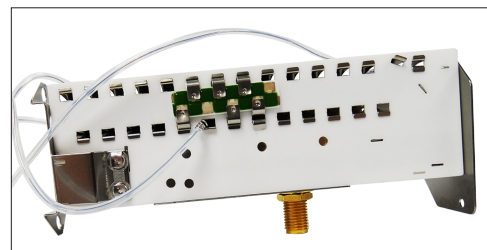


Nebulizer Gas Line (N8152385)

Dual-Stage Detector

The dual-stage detector is an integral part of the NexION ICP-MS SimulScan™ system. This discrete dynode electron multiplier measures both high- and low-level analytes simultaneously. This conserves valuable or limited samples eliminates the need to perform time-consuming sample dilutions and allows you to quickly characterize unknown samples.

Description	Part No.
Dual-Stage Detector	N8151011



Dual-Stage Detector (N8151011)

Autosampler Tubes

Autosampler Tubes with Red Caps

Capacity	Size	Type	Qty.	Part No.
15 mL	17 mm x 120 mm	Conical Bottom	500	B0193233
50 mL	28 mm x 115 mm	Conical/Freestanding	500	B0193234

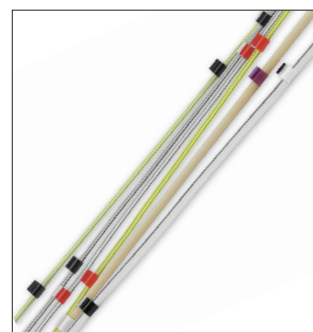


Autosampler Tubes with Red Caps

Pump Tubing

Peristaltic Pump Tubing for 1000/2000 B, C, S, and 5000 Configurations - Standard Pump

Peripump Tubing Kit (Starter Pack of Tubing, includes 4 of each commonly used sizes)			Part No. N8150060
I.D. (mm)	Stop Colors	Quantity	Type
0.19	Orange/Red	4	PVC Pure
0.44	Green/Yellow	4	PVC Pure
0.51	Yellow/Orange	4	PVC Pure
1.30	Gray/Gray	4	Santoprene



Pump Tubing

Peristaltic Pump Tubing for P Configuration - ESI Pump

Peripump Tubing Kit (Starter Pack of Tubing, includes 4 of each commonly used sizes)			Part No. N8152380
I.D. (mm)	Stop Colors	Quantity	Type
1.30	Gray/Gray	4	Santoprene
0.76	Black/Black	4	PVC Flared
0.51	Orange/Yellow	4	PVC Flared
0.38	Orange/Green	4	PVC Flared
0.19	Orange/Red	4	PVC Flared

Standard Pump Tubing

I.D. (mm)	Stop Colors	PVC Pure (Pkg. 12)	Solvent Flex (Pkg. 12)	Santoprene (Pkg. 12)
0.19	Orange Red	N8152401	N8152408	
0.25	Orange Blue	N8152402		
0.38	Orange Green	N8152403	N8152409	
0.44	Green Yellow	N8152404	N8152410	
0.51	Orange Yellow	N8152405		
0.64	Orange White	N8152406	N8152411	
0.76	Black Black	N8152407	N8152412	
1.14	Red Red		N8152413	N8152414
1.30	Gray Gray			N8152415

Peristaltic Pump Tubing for PerkinElmer HTS System

I.D. (mm)	Stop Colors	PVC Pure (Pkg. 12)
0.19	Orange/Red	N8152401
0.44	Green/Yellow	N8152404
0.51	Yellow/Orange	N8152405
1.30	Santoprene Gray/Gray	N8152415

ESI MP² Two-Stop Peristaltic Pump Tubing

i.d. (mm)	Stop Colors	Slope (L/min per RPM)	PVC 2-Stop	Non-Flared		Flared	
				Santoprene 2-Stop	Solva 2-Stop	PVC 2-Stop	Solva 2-Stop
0.13	Orange Black	0.6	N8145145			N8145194	N8145208
0.19	Orange Red	1.3	N8145146			N8145195	N8145209
0.27	Orange Blue	2.7	N8145147			N8145196	N8145210
0.38	Orange Green	4.7	N8145148	N8145171		N8145197	N8145211
0.44	Green Yellow	7.6	N8145149			N8145198	N8145212
0.51	Orange Yellow	9.5	N8145150			N8145199	N8145213
0.57	White Yellow	11	N8145151			N8145200	N8145214
0.64	Orange White	14	N8145152			N8145201	N8145215
0.76	Black Black	19	N8145153	N8145172	N8145176	N8145202	N8145216
0.89	Orange Orange	24	N8145154		N8145177	N8145203	N8145217
0.95	White Black	28	N8145155		N8145178	N8145204	N8145218
1.02	White White	31	N8145156		N8145179	N8145205	N8145219
1.09	White Red	33	N8145157		N8145180	N8145206	N8145220
1.14	Red Red	35	N8145158		N8145181	N8145207	
1.22	Red Grey	46	N8145159		N8145182		
1.3	Grey Grey	47	N8145160	N8145173	N8145183		
1.42	Yellow Yellow	50	N8145161		N8145184		
1.52	Yellow Blue	51	N8145162	N8145174	N8145185		
1.65	Blue Blue	55	N8145163		N8145186		
1.75	Blue Green	58	N8145164		N8145187		
1.85	Green Green	61	N8145165		N8145188		
2.06	Purple Purple	64	N8145166		N8145189		
2.2	Purple Black	65	N8145167		N8145190		
2.54	Purple Orange	67	N8145168		N8145191		
2.79	Purple White	69	N8145169		N8145192		
3.17	Black White	70	N8145170	N8145175	N8145193		

Additional Tubing

Description	Part No.
Sample Uptake Tubing (per cm)	WE024375
Drain Tubing (per foot)	02506495
Torch Box Drain Assembly	N8140506

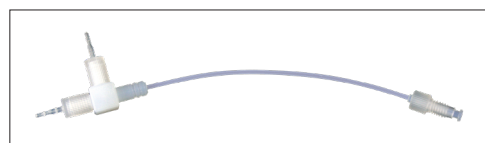
Internal Standard Components

Internal Standard Spares for MEINHARD® Nebulizer

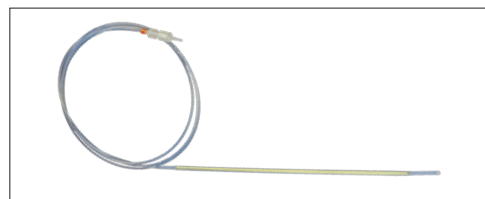
Description	Part No.
PFA Tee	N8152386
Nebulizer Fitting	N8152387
Internal Standard Probe	N8152452

Internal Standard Spares for PFA Nebulizer

Description	Part No.
PFA Tee	N8152423
Internal Standard Probe with Carbon Fiber Support	N8152452



Internal Standard Addition Tee (N8152386)



Internal Standard Probe (N8152452)

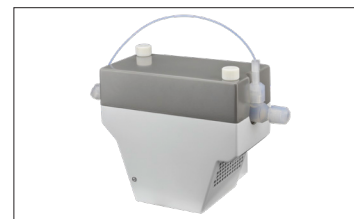
Temperature Controlled Spray Chambers

The PC^{3x} is a compact Peltier heated or cooled inlet system that controls the spray chamber temperature and improves long-term stability. In cooling mode, water or solvent is removed from the aerosol, reducing water or solvent loading on the plasma. In heating mode, sensitivity is increased and volatility-related sample transport effects can be reduced or eliminated.

PCH is a Peltier cooler/heater for the high performance PFA spray chamber. It is a temperature controlled inlet system that offers the advantages of low memory effects, rapid wash-out, and high sample transport efficiency for HF containing samples. In heating mode, sensitivity can be improved for low-flow applications. Temperature control is available from -10 °C to +80 °C.



PC^{3x} Sample Introduction (N8152382)



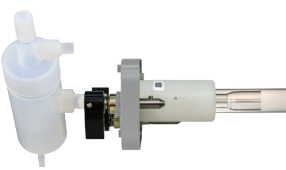
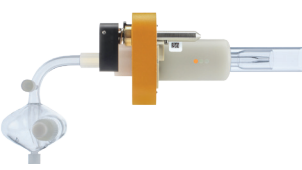
PCH Peltier cooler/heater thermally stabilized inlet system (N8150445)

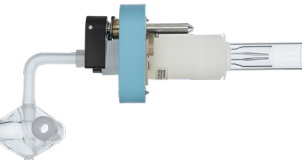
PC³ Peltier Coolers

Description	Part No.
PC ^{3x} Sample Introduction Kit (Spray Chamber not included)	N8152382
PCH Peltier cooler/heater thermally stabilized inlet system with PFA spray chamber and PFA-ST nebulizer	N8150446
PCH Peltier cooler/heater thermally stabilized inlet system with PFA spray chamber (Nebulizer not included)	N8150445

Sample Introduction Kits for NexION 1000/2000/5000

NexION SMARTintro sample introduction solutions are tested as a complete unit to ensure intra- and inter-laboratory performance. Each system utilizes specific combinations of sample introduction components and the kits are color-coded according to the application of the user.

SMARTintro Sample Introduction Kit	Description	Part No.
	PFA-Platinum HF-Resistant Sample Introduction Kit — Kit Includes: PFA Spray Chamber with PFA End Cap (N8150450), Cyclonic Spray Chamber Adapter (N8152551), Demountable SiIQ Torch (N8152448), Platinum 2 mm Injector (N8152429), Plasma Light Shield (N8152377), Cassette Only Platinum (N8152434), Gas Line Addition (N8152449), Spray Chamber Drain Line 1/4-28 Fitting (N8152456), PFA-200 PFA MicroFlow Nebulizer (N8152420), Torch Injector Nut Removal Tool (N8152443), Torch Injector Nut (N8152451)	N8150033
	Organics Sample Introduction Kit (Orange) — Kit Includes: Quartz Nebulizer Type C (N8152372), Cyclonic Quartz Spray Chamber (N8152383), Quartz 1.5 mm Organics Torch One-Piece (N8152616), MEINHARD Nebulizer Sample Line (N8145503), Plasma Light Shield (N8152377), MEINHARD Internal Standard Nebulizer Tee (N8152386), Spray Chamber Light Shield (N8152425), Gas Line Addition (N8152426), Cassette Only Orange (N8152435), Torch Injector Nut Removal Tool (N8152443), Torch Injector Nut (N8152451), Internal Standard Probe Qty. 2 (N8152452), PeriPump Union Male Fitting (N8152453), Spray Chamber Drain Line 1/4-28 Fitting (N8152456)	N8150031
	Geological Sample Introduction Kit (Gold) — Kit Includes: PeriPump Tubing Starter Kit (N8150060), PFA Spray Chamber with PFA End Cap (N8150450), Plasma Light Shield (N8152377), PFA Nebulizer (N8152378), Quartz Torch (N8152379), Internal Standard Addition Tee for PFA-ST Nebulizer (N8152423), Torch Injector Nut Removal Tool (N8152443), Sapphire 2 mm Injector (N8152447), Gas Line Addition (N8152449), Torch Injector Nut (N8152451), Internal Standard Probe Qty. 2 (N8152452), Sample Introduction Line for PFA-ST Nebulizer (N8152455), Spray Chamber Drain Line 1/4-28 Fitting (N8152456), PC ³ Spray Chamber Light Shield (N8152475), Cassette Only Gold (N8152532)	N8150040
	Sample Introduction Kit for NexION 1000 ICP-MS (Purple) — Kit Includes: MEINHARD Nebulizer Sample Line (N8145503), PeriPump Tubing Starter Kit (N8150060), Glass Nebulizer Type C (N8152373), Matrix Gas Line 9 in. (N8152374), Plasma Light Shield (N8152377), Glass Cyclonic C3 High Sensitivity Spray Chamber with Matrix Port (N8152389), Spray Chamber Light Shield (N8152425), Torch Injector Nut Removal Tool (N8152443), Torch Injector Nut (N8152451), Internal Standard Probe Qty. 2 (N8152452), PeriPump Union Male Fitting (N8152453), Spray Chamber Drain Line 1/4-28 Fitting (N8152456), One Piece 2.0 mm Quartz Torch (N8152472), Cassette Only Purple (N8152533)	N8150038

SMARTintro Sample Introduction Kit	Description	Part No.
	Sample Introduction Kit for NexION 2000 Base Configuration (Blue) — Kit Includes: Glass Nebulizer Type C (N8152373), Glass Cyclonic Spray Chamber (N8152375), One Piece 2.0 mm Quartz Torch (N8152472), MEINHARD Nebulizer Sample Line (N8145503), PeriPump Tubing Starter Kit (N8150060), Plasma Light Shield (N8152377), MEINHARD Internal Standard Nebulizer Tee (N8152386), Spray Chamber Light Shield (N8152425), Cassette Only Blue (N8152430), Torch Injector Nut Removal Tool (N8152443), Internal Standard Probe Qty. 2 (N8152452), PeriPump Union Male Fitting (N8152453), Spray Chamber Drain Line 1/4-28 Fitting (N8152456), Torch Injector Nut (N8152451)	N8150034
	Sample Introduction Kit for NexION 2000 Core Configuration (Green) — Kit Includes: Glass Nebulizer Type C (N8152373), Glass Cyclonic C3 High Sensitivity Spray Chamber with Matrix Port (N8152389), Quartz Torch (N8152473), MEINHARD Nebulizer Sample Line (N8145503), PeriPump Tubing Starter Kit (N8150060), Matrix Gas Line 9 in. (N8152374), Plasma Light Shield (N8152377), PC3 Peltier Cooler (N8152382), MEINHARD Internal Standard Nebulizer Tee (N8152386), Spray Chamber Light Shield (N8152425), Cassette Only Green (N8152431), Torch Injector Nut Removal Tool (N8152443), Internal Standard Probe Qty. 2 (N8152452), PeriPump Union Male Fitting (N8152453), Spray Chamber Drain Line 1/4-28 Fitting (N8152456), PC ³ Spray Chamber Light Shield (N8152475), Torch Injector Nut (N8152451)	N8150035
	Sample Introduction Kit for NexION 2000 Productivity Configuration (Black) Kit Includes: PFA Nebulizer (N8152378), Quartz Torch (N8152379), Glass Cyclonic C3 High Sensitivity Spray Chamber with Matrix Port (N8152389), Cyclonic Peltier Cooler (N8152382), CTFE Liquid Fitting Female (N8145018), FAST 1 Valve (N8152359), MP ² Micro Peristaltic Pump with Single FAST Valve (N8152364), Matrix Gas Line 9 in. (N8152374), 2 mm Demountable Quartz Injector (N8152376), Plasma Light Shield (N8152377), FAST Pump Tubing Starter Kit (N8152380), Spray Chamber Light Shield (N8152425), Cassette Only Black (N8152433), Torch Injector Nut Removal Tool (N8152443), PFA-ST Nebulizer Sample Introduction Line (N8152455), Spray Chamber Drain Line 1/4-28 Fitting (N8152456), Spray Chamber Light Shield (N8152475), Nuts/Ferrules 1/4-28 for HF Valve Qty.10 (N0777283), Sample Loop for Ports 1 and 4, 0.5 mL (N0777289), HF Ferrule/Nut Set, 1/4-28 Qty.10 (N0777297), 0.8 mm ID Sample Loop PTFE, 300 µL (N0777430), 2 mL Sample Loop (N0777479), 4 mL Sample Loop (N0777480), 1 mL Loop 1 mm ID (N0777664), 1.5 mL Loop 1 mm ID (N0777665), 0.5 mL Loop 1 mm ID (N0777666), L 3 mL Loop 1 mm ID (N0777667), Holder with FAST Bottles (N0777777), RS485 Serial Cable – Power/Communication (N2024191), CTFE Female Barb Fitting (N8145018), Waste Line for SC-FAST (N8145536), FAST 1 Valve with P7 (N8152359), Torch Injector Nut (N8152451)	N8150036
	Sample Introduction Kit for NexION 2000 Semi-Conductor Configuration (White) Kit Includes: PFA Nebulizer (N8152378), Quartz SilQ Spray Chamber (N8152424), Quartz Fixed Torch (N8152428), Cyclonic Peltier Cooler (N8152382), CTFE Liquid Fitting Female (N8145018), PeriPump Tubing Starter Kit (N8150060), Plasma Light Shield (N8152377), Internal Standard Addition Tee for PFA ST Nebulizer (N8152423), Cassette Only White (N8152432), Torch Injector Nut Removal Tool (N8152443), Internal Standard Probe Qty. 2 (N8152452), PFA-ST Nebulizer Sample Introduction Line (N8152455), Spray Chamber Drain Line 1/4-28 Fitting (N8152456), Spray Chamber Light Shield (N8152475)	N8150037
	Sample Introduction Kit for NexION 5000 (White/Green) Kit Includes: CTFE Barbed Fittings, Small Female Qty.1 (N0777829), PeriPump Tubing Starter Kit (N8150060), Plasma Light Shield (N8152377), PFA Nebulizer (N8152378), Spray Chamber Light Shield (N8152425), Quartz Fixed Torch (N8152428), Torch Injector Nut Removal Tool (N8152443), Torch Injector Nut (N8152451), PFA-ST Nebulizer Sample Introduction Line (N8152455), Spray Chamber Drain Line 1/4-28 Fitting (N8152456), 0.25 mm ID Self-aspirating Probe 80 cm (N8152512), 0.30 mm ID Self-aspirating Probe 80 cm (N8152513), SilQ Spray Chamber with Matrix Gas Port (N8152539), White Torch Cassette with Green Stripe (N8161009)	N8160020
	Sample Introduction Kit for NexION 1000G ICP-MS (Light Blue) Kit Includes: Sample Line with Fit for MEINHARD Plus Nebulizer (N8145503), Peripump Starter Tubing Kit (N8150060), MEINHARD Type CT R + Nebulizer (N8152373), Matrix Gas Line (N8152374), Plasma Light Shield (N8152377), Glass Cyclonic Spray Chamber with AMS (N8152389), UV Light Shield (N8152425), Torch Injector Nut Removal Tool (N8152443), Torch Injector Nut (N8152451), Internal Standards Probe (N8152452), Peripump Union Male (N8152453), Threaded Spray Chamber Drain Line (N8152456), Fixed 2.0 mm Injector Quartz Torch Blue (N8152472), Light Blue Cassette (N8991010)	N8990039

SMARTintro Sample Introduction Modules and Cassettes

SMARTintro Sample Introduction Modules and Cassettes include Cassettes, Torch, PTFE Torch Light Shield and Torch Injector Removal Tool.

Sample Introduction Modules

Color		Part No.
	Blue Colored Cassette, One-Piece Quartz Torch, 2.0 mm Quartz Injector	N8152437
	Green Colored Cassette, One-Piece Quartz Torch, 2.5 mm Quartz Injector	N8152438
	White Colored Cassette, One-Piece SiIQ Torch, 2.0 mm Quartz Injector	N8152439
	Black Colored Cassette, Demountable Quartz Torch, 2.0 mm Quartz Injector	N8152440
	Purple Colored Cassette, One-piece Quartz Torch, 2.0 mm Quartz Injector	N8152536
	Platinum Colored Cassette, Demountable Quartz Torch, 2.0 mm Platinum Injector	N8152441
	Orange Colored Cassette, One-Piece Quartz Torch, 1.5 mm Quartz Injector	N8152442
	Gold Colored Cassette, One-Piece Quartz Torch, 2.0 mm Quartz Injector	N8152535
	White/Green Colored Cassette, One-Piece SiIQ Torch, 2.0 mm Quartz Injector	N8161013
	Light Blue Colored Cassette, One-Piece Quartz Torch, 2.0 mm Quartz Injector	N8991011

Sample Introduction Cassettes Only

Color		Part No.
	Blue (Included with NexION 2000 ICP-MS Base 'B' Configuration)	N8152430
	Green (Included with NexION 2000 ICP-MS Core 'C' Configuration)	N8152431
	White (Included with NexION 2000 ICP-MS High Purity 'S' Configuration)	N8152432
	Black (Included with NexION 2000 ICP-MS Productivity 'P' Configuration)	N8152433
	Purple (included with NexION 1000 ICP-MS)	N8152533
	Platinum (High Purity/HF Resistant)	N8152434
	Orange (Organic Solvents)	N8152435
	Gold (For Geological Samples)	N8152532
	White/Green Stripe (Organic Solvents)	N8161009
	Light Blue (included with the NEXION 1000G ICP-MS)	N8991010

Reference Standards

Matrix	Contents	Vol.	Part No.
NexION 1000/2000 ICP-MS Solution Kit			N8140504
Solution Kit	NexION Wash Solution	250 mL	N8145050
	NexION Setup Solution	500 mL	N8145051
	NexION Standard/Reaction Mode Detection Limit Blank Solution	100 mL	N8145055
	NexION Standard/Reaction Mode Detection Limit Solution	100 mL	N8145056
	NexION Dual Detector Solution	100 mL	N8145059
	NexION Collision Setup Solution	250 mL/ 100 mL	N8145052
	NexION ICP-MS Cell Stability Solution	500 mL	N8145054
	NexION Collision Mode Detection Limit Blank Solution	100 mL	N8145057
	NexION Collision Mode Detection Limit Solution	100 mL	N8145058
NexION 5000 ICP-MS Solution Kit			N8160029
Solution Kit	NexION Wash Solution	250 mL	N8145050
	NexION 5000 Setup Solution	500 mL	N8162301
	NexION 5000 Stability Solution	500 mL	N8162302
	NexION 5000 DRC NH ₃ and Standard Detection Limit	125 mL	N8162303
	NexION 5000 DRC O ₂ Detection Limit Solution	125 mL	N8162304
	Water Blank ASTM® Type I Water, 18 megohm	250 mL x 2	N9303813
NexION 5000 Setup Solution			
1% HNO ₃	200 ng/L: Be, Ce, Fe, In, Li, Mg, Pb, U	500 mL	N8162301
NexION 5000 Stability Solution			
1% HNO ₃	200 ng/L: Cd, Cr, Fe, Li, Mg, Pb 1 µg/L Cu	500 mL	N8162302
NexION 5000 DRC NH ₃ and Standard Detection Limit			
2% HNO ₃	20 ng/L: Al, Be, Ca, Cr, Cu, Fe, In, K, Mn, Ni, U, Zn	125 mL	N8162303
NexION 5000 DRC O ₂ Detection Limit Solution			
H ₂ O	200 ng/L: Al, Be, Ca, Cr, Cu, Fe, In, K, Mn, Ni, U, Zn	125 mL	N8162304
NexION 5000 Dual Detector Solution			
2% HNO ₃	20 µg/L: Al, Ba, Ce, Co, In, Li, Mg, Mn, Ni, Pb, Tb, U, Zn	100 mL	N8162305
NexION Setup Solution			
1% HNO ₃	1 µg/L: Be, Ce, Fe, In, Li, Mg, Pb, U	500 mL	N8145051
NexION Collision Setup Solution			
1% HCl	10 µg/L: Co	250 mL	N8145052
	1 µg/L: Ce	100 mL	N8145056
NexION ICP-MS Non-Cell Stability Solution			
1% HNO ₃	1 µg/L: Cd, Cu, Mg, Pb	500 mL	N8145053

Matrix	Contents	Vol.	Part No.
NexION ICP-MS Cell Stability Solution			
1% HNO ₃	1 µg/L: Cd, Cr, Fe, In, Mg, Pb 10 µg/L: Co, Cu, Se (without Se N8151033)	500 mL	N8145054
NexION Standard/Reaction Mode Detection Limit Blank Solution			
0.5% HNO ₃		100 mL	N8145055
NexION Standard/Reaction Mode Detection Limit Solution			
0.5% HNO ₃	1 µg/L: Be, Ca, Co, Fe, In, U	100 mL	N8145056
NexION Collision Mode Detection Limit Blank Solution			
1% HCl		100 mL	N8145057
NexION Collision Mode Detection Limit Solution			
1% HCl	10 µg/L: V, As, Se	100 mL	N8145058
NexION Dual Detector Solution			
2% HNO ₃	200 µg/L: Al, Ba, Ce, Co, Cu, In, Li, Mg, Mn, Ni, Pb, Tb, U, Zn	100 mL	N8145059
NexION AFT Single-Element Solution			
2% HNO ₃	2 µg/L: Fe	100 mL	N8145060
NexION AFT Multi-Element Solution			
2% HNO ₃	2 µg/L: Ag, Al, As, Ba, Be, Bi, Ca, Cd, Co, Cr, Cs, Cu, Fe, Ga, In, K, Li, Mg, Mn, Na, Ni, Pb, Rb, Se, Sr, Tl, U, V, Zn	100 mL	N8145061
NexION AFT Single-Element Solution (H/He)			
2% HNO ₃	10 µg/L: Se	125 mL	N8151037
NexION AFT Multi-Element Solution (H/He)			
2% HNO ₃	10 µg/L: Ag, Al, As, Ba, Be, Bi, Ca, Cd, Co, Cr, Cs, Cu, Fe, Ga, In, K, Li, Mg, Mn, Na, Ni, Pb, Rb, Se, Sr, Tl, U, V, Zn	125 mL	N8151038
NexION Wash Solution			
1% HNO ₃		250 mL	N8145050
Internal Standard Mix			
5-10% HNO ₃	10 µg/mL: 6Li, Sc, Ge, Y, In, Tb, Bi	125 mL	N9303832
Multi-Element Internal Standard			
2% HNO ₃	10 µg/mL: Bi, Ho, In, 6Li, Sc, Tb, Y	125 mL	N9303834
Quality Control Standard – 21 Elements			
5% HNO ₃ /tr Tartaric Acid/tr HF	100 µg/mL: As, Be, Ca, Cd, Co, Cr, Cu, Fe, Li, Mg, Mn, Mo, Ni, Pb, Sb, Se, Sr, Ti, Tl, V, Zn	125 mL	N9300281
Instrument Calibration Standard 2			
5% HNO ₃ /tr Tartaric Acid/tr HF	100 mg/L: Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Sn, Sr, Ti, Tl, V, Zn	125 mL	N9301721
Cold Plasma Solution			
0.1% HNO ₃	1 µg/L: Li, Co, Rb, In, Cs, Pb	250 mL	N8151032

Other Replacement Parts

Description	Part No.
Metal Spill Tray for Vacuum Pump	N8145022
Vacuum Fluid Pump – Fomblin® GV80 1 L	N8145003
NexION Sample Tray	N8141206
Instrument Filter (Left)	N8152167
Instrument Filter (Right)	N8152136
NexION Sample Spill Tray	N8152157

NexION 1000/2000/5000 ICP-MS Consumable Kits

Typical one year's supply of consumables. Consists of the following parts:

Configurations			5000	2000 B	2000 C	2000 P	2000 S	1000
Description	Qty.	Part No.	N8160027	N8150054	N8150055	N8150056	N8150057	N8150058
Fixed 2.0 mm Injector Quartz Torch (Blue/Purple Mark)	2	N8152472		✓				✓
Fixed 2.5 mm Injector Quartz Torch (Green Mark)	2	N8152473			✓			
Demountable Quartz Torch PVDF	2	N8152379				✓		
2.0 mm Demountable Quartz Injector	2	N8152376				✓		
Fixed 2.0 mm Injector UHP Quartz Torch	2	N8152428	✓				✓	
Glass Cyclonic High Sensitivity Spray Chamber	1	N8152375		✓				
Glass Cyclonic High Sensitivity Spray Chamber with Matrix Gas Port	1	N8152389			✓	✓		✓
SilQ Cyclonic High Sensitivity Spray Chamber	1	N8152424					✓	
SilQ Cyclonic Spray Chamber with Matrix Gas Port	1	N8152539	✓				✓	
Threaded Spray Chamber Drain Line	2	N8152456	✓	✓	✓	✓	✓	✓
Nickel Skimmer Cone	2	W1026356		✓	✓	✓		✓
Platinum Skimmer Cone for NexION 5000	2	N8161041	✓					
Nickel Sampler Cone	2	W1033612		✓	✓	✓		✓
Platinum Skimmer Cone	2	W1026907					✓	
Platinum Sampler Cone	2	W1033614	✓				✓	
Hyper Skimmer Cone for NexION 1000/2000	1	W1033995		✓	✓	✓	✓	✓
Hyper Skimmer Cone for NexION 5000	1	N8160120	✓					
Sampler Cone Gasket	3	W1040148	✓	✓	✓	✓	✓	✓
Hyper Skimmer O-Ring	2	09902123	✓	✓	✓	✓	✓	✓
Gray/Gray Pump Tubing	2	N8152415	✓	✓	✓		✓	✓
Gray/Gray Pump Tubing MP2	2	N8145173				✓		
Flared PVC 0.51 mm Orange/Yellow Pump Tubing	4	N8152405	✓	✓	✓		✓	✓
Flared PVC 0.51 mm Orange/Yellow Pump Tubing MP2	4	N8145150				✓		
Drain Tubing (feet)	6	02506495	✓	✓	✓	✓	✓	✓
Sample Uptake Tubing	12	WE024375	✓	✓	✓	✓	✓	✓
Sample Introduction Line for PFA-ST Nebulizer	1	N8152455	✓			✓	✓	
Sample Introduction Line for Concentric Nebulizer	1	N8145503		✓	✓			✓
Female Barb CTFE Fitting	4	N8152388	✓	✓	✓	✓	✓	✓
Male Barb CTFE Fitting	4	N8152453	✓	✓	✓	✓	✓	✓
Instrument Filter (Left)	2	N8152167	✓	✓	✓	✓	✓	✓
Instrument Filter (Right)	2	N8152136	✓	✓	✓	✓	✓	✓
Instrument Filter (Rear)	2	N8152465	✓	✓	✓	✓	✓	✓
Torch Injector Nut	2	N8152451	✓	✓	✓	✓	✓	✓

Pharmaceutical Analysis Standards

USP Standards

As a part of our United States Pharmacopeia (USP) compliant offering, we provide calibration and check standards for the analysis of metals in drugs, pharmaceutical substances and raw materials to verify Oral Daily Dose PDE, Parenteral Component Limit and Parenteral Daily Dose PDE.

Our trace metal USP standards can be used to calibrate Arsenic, Cadmium, Lead and Mercury, the four toxic metals as part of the USP regulations. When you couple our accurate and reliable USP standards with your ICP-MS you will remain compliant with the new and changing regulations.

ICH Standards

In conjunction with our United States Pharmacopeia (USP) calibration standards, we offer six calibration standards for the analysis of metals in pharmaceutical materials and products following the International Conference on Harmonization (ICH) guidelines.

The ICH standards verify Elemental Impurities, Precious Metals Impurities and Parenteral Elemental Impurities. Couple our accurate and reliable ICH standards with your ICP-MS and you will remain compliant with the new and changing regulations.

USP and ICH Standards

Matrix	Content	Volume	Part No.
ICH Elemental Impurities Standards Kit – Oral PDEs Kit Includes:			N9304361
5% HNO ₃ / 2% HCl	ICH Class 1 Elements + TI – Oral PDE: 30 µg/mL Hg 15 µg/mL As 8 µg/mL TI 5 µg/mL Cd, Pb	125 mL	N9304362
2% HNO ₃	ICH Class 2A Elements – Oral and Parenteral PDEs: 200 µg/mL Ni 100 µg/mL V 50 µg/mL Co	125 mL	N9304363
2% HCl	100 µg/mL Au	125 mL	N9303728
15% HCl	ICH Class 2B Precious Metal Elements (no Os) – All PDEs: 100 µg/mL Ir, Pd, Pt, Rh, Ru	125 mL	N9304364
2% HNO ₃	ICH Class 2B Se and Ag – Oral PDE: 150 µg/mL Ag, Se	125 mL	N9304365
5% HNO ₃ /trace Tartaric Acid/ trace HF	ICH Class 3 Elements – Oral PDEs: 1100 µg/mL Cr 600 µg/mL Sn 300 µg/mL Cu, Mo 140 µg/mL Ba 120 µg/mL Sb 55 µg/mL Li	125 mL	N9304366
2% HNO ₃	Internal Standards – All PDEs: 50 µg/mL Ge 20 µg/mL Ga 1 µg/mL In, Tb	125 mL	N9304367

Matrix	Content	Volume	Part No.
ICH Elemental Impurities Standards Kit – Parenteral PDEs Kit Includes:			N9304368
5% HNO ₃ / 2% HCl	ICH Class 1 Elements + TI – Parenteral PDE: 15 µg/mL As 8 µg/mL TI 5 µg/mL Pb 3 µg/mL Hg 2 µg/mL Cd	125 mL	N9304369
2% HNO ₃	ICH Class 2A Elements – Oral and Parenteral PDEs: 200 µg/mL Ni 100 µg/mL V 50 µg/mL Co	125 mL	N9304363
2% HCl	100 µg/mL Au	125 mL	N9303728
15% HCl	ICH Class 2B Precious Metal Elements (no Os) – All PDEs: 100 µg/mL Ir, Pd, Pt, Rh, Ru	125 mL	N9304364
2% HNO ₃	ICH Class 2B Se and Ag – Parenteral PDE: 80 µg/mL Se 10 µg/mL Ag	125 mL	N9304372
2% HNO ₃ /trace Tartaric Acid/ trace HF	ICH Class 3 Elements – Parenteral PDEs: 150 µg/mL Mo 110 µg/mL Cr 60 µg/mL Sn 30 µg/mL Cu 70 µg/mL Ba 25 µg/mL Li 9 µg/mL Sb	125 mL	N9304373



USP and ICH Standards continued

Matrix	Content	Volume	Part No.
ICH Elemental Impurities Standards Kit – Inhalational PDEs Kit Includes:			N9304375
2% HNO ₃	Internal Standards – All PDEs: 50 µg/mL Ge 20 µg/mL Ga 1 µg/mL In, Tb	125 mL	N9304367
5% HNO ₃ / 2% HCl	ICH Class 1 Elements + TI – Inhalational PDE: 8 µg/mL TI 5 µg/mL Pb 2 µg/mL As, Cd 1 µg/mL Hg	125 mL	N9304376
2% HNO ₃	ICH Class 2A Elements – Inhalational PDEs: 5 µg/mL Ni 3 µg/mL Co 1 µg/mL V	125 mL	N9304377
2% HCl	100 µg/mL Au	125 mL	N9303728
15% HCl	ICH Class 2B Precious Metal Elements (no Os) – All PDEs: 100 µg/mL Ir, Pd, Pt, Rh, Ru	125 mL	N9304364
2% HNO ₃	ICH Class 2B Se and Ag – Inhalational PDE: 130 µg/mL Se 7 µg/mL Ag	125 mL	N9304379

Matrix	Content	Volume	Part No.
ICH Elemental Impurities Standards Kit – Inhalational PDEs Kit Includes:			N9304375
2% HNO ₃ /trace Tartaric Acid/ trace HF	ICH Class 3 Elements – Inhalational PDEs: 300 µg/mL Ba 60 µg/mL Sn 30 µg/mL Cu 25 µg/mL Li 20 µg/mL Sb 10 µg/mL Mo 3 µg/mL Cr	125 mL	N9304380
2% HNO ₃	Internal Standards – All PDEs: 50 µg/mL Ge 20 µg/mL Ga 1 µg/mL In, Tb	125 mL	N9304367

Matrix	Content	Volume	Part No.
ICH Class 2B Precious Metal Elements – All PDEs			
15% HCl	ICH Class 2B Precious Metal Elements – All PDEs: 100 µg/mL Ir, Os, Pd, Pt, Rh, Ru	125 mL	N9304382

Matrix	Content	Volume	Part No.
Osmium			
15% HCl	100 µg/mL Os	125 mL	N9304383

Gold Nanoparticle Standards

Fully characterized gold nanospheres designed for Single Particle-ICP-MS. These particle standards have a nearly perfect spherical shape, narrow size (CV < 5%) and particle number distributions (CV < 5%).

Description	Diameter (nm)	Volume (mL)	Part No.
Ultra Uniform Gold Nanospheres	30	25 mL	N8151034
Particle Standard 1e7 particles/mL, PEG Carboxyl 0.8 kDa			
Ultra Uniform Gold Nanospheres	50	25 mL	N8151035
Particle Standard 1e7 particles/mL, PEG Carboxyl 0.8 kDa			
Ultra Uniform Gold Nanospheres	100	25 mL	N8151036
Particle Standard 1e7 particles/mL, PEG Carboxyl 0.8 kDa			

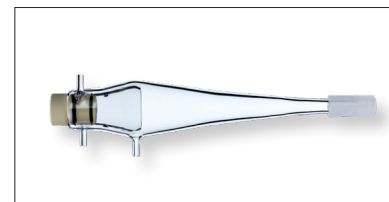


Nanoparticle Standard

Single Cell Sample Introduction Kit

The Single Cell Application Module within PerkinElmer's Syngistix™ for ICP-MS software is the ideal tool for laboratories analyzing metal content in cells, either from uptake of metals or metallic nanoparticles in solution or measuring the intrinsic metal content of the cell. This unique software module allows the differentiation and quantification between the dissolved and cellular fractions of the same analyte. In a single analysis, cell metal or particulate content, cell-containing metal concentration, mass per cell, and mass distribution can all be determined without the need for subsequent data processing. Coupled with the NexION series ICP-MS, the Syngistix Single Cell Application Module is the world's first single cell ICP-MS dedicated software, delivering speed, flexibility, automation, and ease-of-use.

Description	Qty.	Part No.
Single Cell Kit for NexION 1000/2000		N8150032
Kit Includes:		
Asperon™ Spray Chamber	1	N8152493
Spray Chamber Drain Line	1	N8152494
Spray Chamber Addition Gas Tee 1/8 Fitting	1	N8152495
Nebulizer HEN	1	N8152496
Sample Line for HEN MEINHARD® Nebulize	1	N8152489
UV Light Shield	1	N8152497
Plasma Light Shield	1	N8152377
Fixed 2.0 mm Injector UHP Quartz Torch	1	N8152428
Torch Cassette White	1	N8152432
Torch Injector Nut	1	N8152451
Syngistix Single Cell Software	1	N8150321
CTFE Male Barb Fitting	2	N8145017
CTFE Female Barb Fitting	2	N8145018
Orange/Red 0.19 mm i.d. PVC Pkg.12	1	N8152401
MP2 PVC Flared 0.19mm Orange/Red Pkg.12	1	N8145195
Autosampler Probe 0.15 mm	1	N0777221
Description	Part No.	
Single Cell Automation Kit for NexION 1000/2000	N8150039	
Kit Includes:		
Includes Single Cell Micro DX Autosampler. Does not include Single Cell Kit (N8150032)		



Asperon Spray Chamber (N8152493)



Single Cell Micro DX Autosampler (N8150039)

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