

NEXION 1000/2000 ICP-MS CONSUMABLES AND SUPPLIES



INTRODUCTION AND OVERVIEW

NexION® 1000/2000 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 1000 and 2000 up and running smoothly and efficiently.



Table of Contents

Sampler and Skimmer Cones	3	Pump Tubing	8-9
Torches.....	4	Autosampler Tubes.....	9
Injectors	4	Internal Standard Components.....	10
SMARTintro™ Sample Introduction Modules.....	4	Sample Introduction Kits	10
Nebulizers	5	Other Replacement Parts.....	10
Spray Chambers	6	Consumable Kits.....	11
Spray Chamber Components	6	Elemental Standards.....	12
Nebulizer Fittings and Capillaries	7	Gold Nanoparticle Standards.....	13
Dual-Stage Detector	7	Single Cell Sample Introduction Kit	13

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	Part No.
Sampler	W1033612
Skimmer	W1026356

Platinum Sampler and Skimmer Cones

Type	Part No.
Sampler	W1033614
Skimmer	W1026907
Sampler for Sulfur Based Acids/Solvents (18 mm)	N8145028

Hyper Skimmer Cone

Type	Part No.
Hyper Skimmer Cone	W1033995



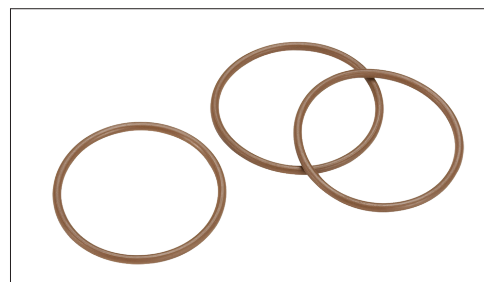
Sampler and Skimmer Cones



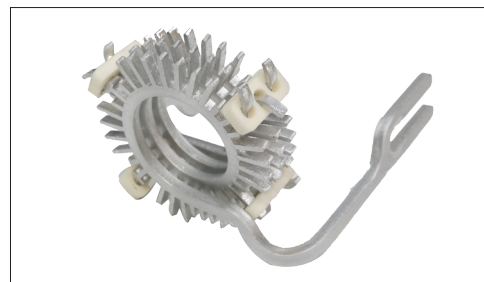
Hyper Skimmer Cone



Cone Removal Tool



Hyper Skimmer O-Ring



LumiCoil Plasma Load Coil

Replacement Parts

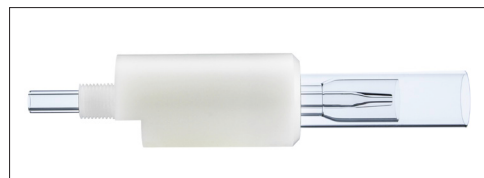
Description	Part No.
Sampler Gasket	W1040148
Hyper Skimmer O-Ring	09902123
Hyper Skimmer Screw	WE027484
Cone Removal Tool	W1034694
Torch Alignment Tool	N8157042
LumiCoil™ Plasma Load Coil	N8150279

Quartz Torches

Torch	Description	Part No.
Demountable Quartz Torch	Demountable quartz torch, PVDF o-ring free holder for demountable injectors.	N8152379
Fixed 2.0 mm Injector UHP Quartz Torch	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 Mark)	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 Mark)	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 (Orange Mark)	One piece quartz torch with 1.5 mm injector, PVDF o-ring free holder for organic solvents.	N8152427
Fixed 1.0 mm Injector Quartz Torch (Double Orange Mark)	One piece quartz torch with 1.0 mm injector, PVDF o-ring free holder for high volatility organic solvents.	N8152474
Torch Injector Nut		N8152451
Torch Injector Nut Removal Tool		N8152443
Torch O-Ring Kit	Viton o-ring kit includes 2.8 mm i.d. (qty. 4), 14 mm i.d. (qty. 1), and 16 mm i.d. (qty. 1)	N8152476



Fixed SilQ 2 mm Torch (N8152428)



Fixed 1.5 mm Torch (N8152427)



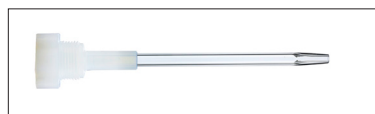
One Piece Quartz Torch with 2.5 mm Injector (N8152473)



Torch Injector Nut (N8152451)

Demountable Injectors

Description	Part No.
2.5 mm Demountable Quartz Injector	N8152446
2.0 mm Demountable Quartz Injector	N8152376
1.5 mm Demountable Quartz Injector	N8152445
1.0 mm Demountable Quartz Injector	N8152444
2.0 mm Demountable Platinum Injector	N8152429
2.0 mm Demountable Sapphire Injector	N8152447



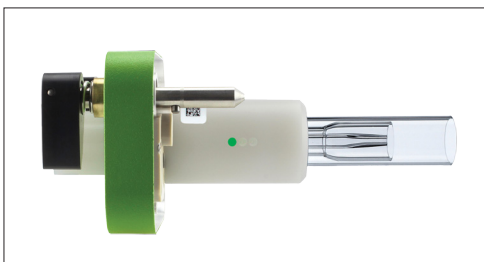
2 mm Demountable Quartz Injector (N8152376)



2 mm Demountable Platinum Injector (N8152429)

SMARTintro™ Sample Introduction Modules

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 Semicon "S" Configuration)	N8152432
Black (Included with NexION 2000 ICP-MS Productivity "P" Configuration)	N8152433
Platinum - High Purity/HF Resistant (for NexION 2000 ICP-MS)	N8152434
Orange - Organic Solvents (for NexION 2000 ICP-MS)	N8152435
Gold - Geological Samples (for NexION 2000 ICP-MS)	N8152532
Purple (Included with NexION 1000 ICP-MS Configuration)	N8152533



SMARTintro™ Color-Coded Sample Introduction Modules

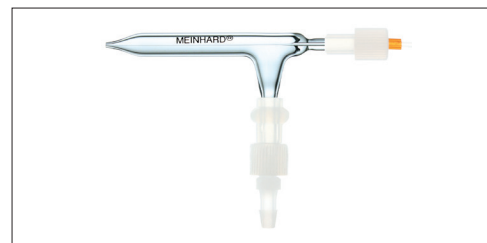
Nebulizers

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.

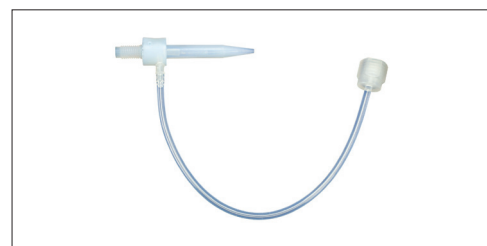
Material	Product Name	Description	Part No.
Glass	Concentric Type CT R +	High performance glass	N8152373
Quartz	Concentric Type CT Q +	High performance quartz	N8152372
UHP Quartz	Concentric Type CT SilQ +	High performance ultra-high purity quartz	N8152384
PFA	Type C PFA ST3	High performance, HF resistant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

The MicroMist micro-uptake glass concentric nebulizer offers high performance for limited sample volumes. The DuraMist concentric nebulizer is an economical nebulizer for high precision analyses involving samples digested in HF. The SeaSpray concentric nebulizer is ideal for samples with high dissolved solids and offers outstanding nebulization efficiency for trace level analysis.

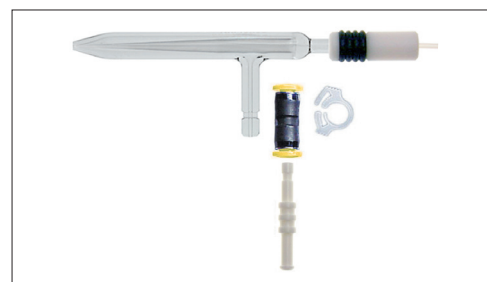
Material	Product Name	Uptake Rate	Part No.
Glass	SeaSpray	0.4 mL/min	N0777484
PEEK	DuraMist	0.4 mL/min	N8121046
Glass	MicroMist	0.4 mL/min	N0775341
Glass	MicroMist	0.2 mL/min	N0775342
Glass	MicroMist	0.1 mL/min	N0775343
Glass	MicroMist	0.06 mL/min	N0775344



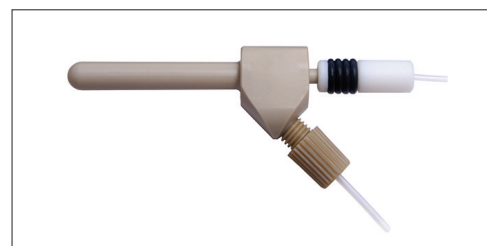
SilQ Plus Quartz Nebulizer (N8152384)



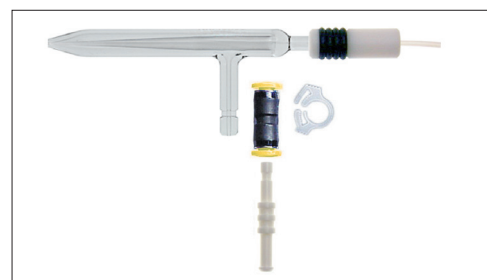
PFA ST3 Nebulizer Assembly (N8152378)



SeaSpray Nebulizer (N0777484)



DuraMist Nebulizer (N8121046)



MicroMist Nebulizer (various)

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
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 NexION 1000/2000 ICP-MS "B" Configuration	N8152425
UV Light Shield for NexION 2000 ICP-MS "C", "P", and "S" Configurations (for use with PC ³)	N8152475
Threaded Spray Chamber Drain Line 1/4 -28	N8152456



Glass Cyclonic Chamber (N8152375)



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



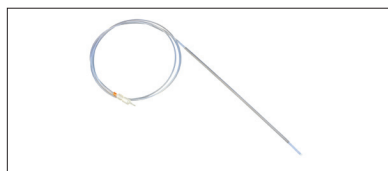
SilQ Cyclonic Chamber (N8152424)



UV PC³ Light Shield (N8152475)

Nebulizer Fittings and Capillaries

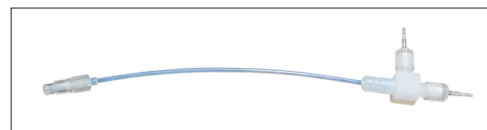
Description	Part No.
MEINHARD® Nebulizer Internal Standard Tee	N8152386
PFA-ST Nebulizer Internal Standard Addition Tee	N8152423
MEINHARD® Plus Nebulizer Fitting for Concentric Nebulizer (N8152378)	N8152387
Peripump Union - Male Barb CTFE Fitting	N8152453
Peripump Union - Female Barb CTFE Fitting	N8152388
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



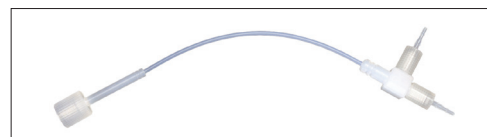
Internal Standard Probe (N8152452)



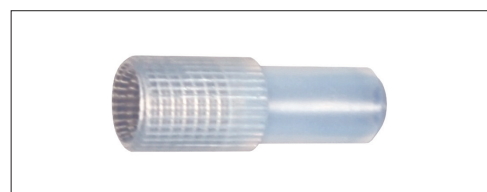
PTFE Torch Light Shield Disk (N8152377)



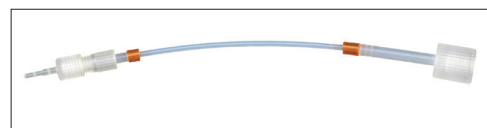
Internal Standard Tee for MEINHARD® Plus Nebulizer (N8152386)



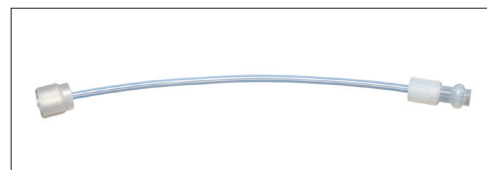
Internal Standard Addition Tee (N8152423)



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



Sample Introduction Line for PFA-ST Nebulizer (N8152455)

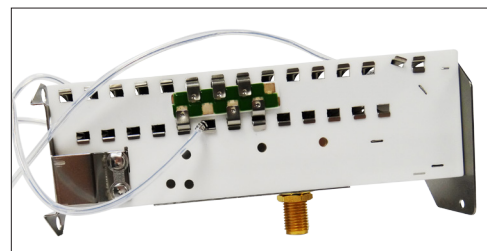


Nebulizer Gas Line (N8152385)

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	N8145027

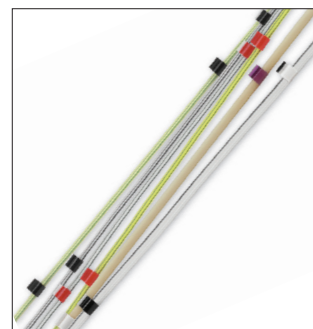


ICP-MS Detector (N8145027)

Pump Tubing

Peristaltic Pump Tubing for 1000/2000 B, C and S 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
1.3	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
1.3	Gray Gray			N8152415

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

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

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	N8152452

Sample Introduction Kits

The PC³ has control for adjustments between -10 °C to 80 °C and is ideal when running aqueous or aqueous/organic mixtures to reduce the solvent load on the plasma.

PC ³ Sample Introduction Kit	
Description	Part No.
PC ³ Sample Introduction Kit	N8152382

Other Sample Introduction Kits

Description	Part No.
PFA-Platinum HF-Sample Introduction Kit: Includes Nebulizer (N8152378), Spray Chamber (N8152390), Quartz Torch (N8152379) and Platinum Injector (N8152429) and other accessories	N8150033
Organics Sample Introduction Kit: Includes Nebulizer (N8152372), Spray Chamber (N8152383), Quartz Torch (N8152427) and other accessories. Requires Cyclonic Peltier Cooler for greater performance	N8150031
Geological Sample Introduction Kit: Includes Nebulizer (N8152378), Spray Chamber (N8150450), Quartz Torch (N8152379), and Sapphire Injector (N8152447) and other accessories	N8150040
Sample Introduction Kit for NexION 2000 Base "B" Configuration: Includes Nebulizer (N8152373), Spray Chamber (N8152375), Quartz Torch (N8152472) and other accessories	N8150034
Sample Introduction Kit for NexION 2000 Core "C" Configuration: Includes Nebulizer (N8152373), Spray Chamber (N8152389), Quartz Torch (N8152473), Cyclonic Peltier Cooler (N8152382) and other accessories	N8150035
Sample Introduction Kit for NexION 2000 Productivity "P" Configuration: Includes Nebulizer (N8152378), Quartz Torch (N8152379), Spray Chamber (N8152389), Cyclonic Peltier Cooler (N8152382) and other accessories	N8150036
Sample Introduction Kit for NexION 2000 Semicon "S" Configuration: Includes Nebulizer (N8152378), Spray Chamber (N8152424), Quartz Torch (N8152428), Cyclonic Peltier Cooler (N8152382) and other accessories	N8150037
Sample Introduction Kit for NexION 1000 Configuration: Includes Nebulizer (N8152373), Spray Chamber (N8152389), Quartz Torch (N8152472), and other accessories	N8150038



PC³ Sample Introduction (N8152382)

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 ICP-MS Consumable Kits

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

Configurations			2000 B	2000 C	2000 P	2000 S	1000
Description	Qty.	Part No.	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				✓	
Threaded Spray Chamber Drain Line	2	N8152456	✓	✓	✓	✓	✓
Nickel Skimmer Cone	2	W1026356	✓	✓	✓		✓
Nickel Sampler Cone	2	W1033612	✓	✓	✓		✓
Platinum Skimmer Cone	2	W1026907				✓	
Platinum Sample Cone	2	W1033614				✓	
Hyper Skimmer Cone	1	W1033995	✓	✓	✓	✓	✓
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	✓	✓	✓	✓	✓

Elemental Standards



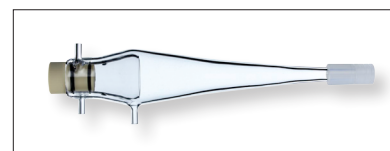
NexION 2000 ICP-MS Solution Kit		Part No. N8140504	
Matrix	Contents	Vol.	Part No.
Solution kit (includes items listed below)			
	NexION Wash Solution	250 mL	N8145050
	NexION Setup Solution	500 mL	N8145051
	NexION Standard/Reaction Mode Detection Limit Blank Solution	100 mL	N8145055
	NexION Standard/Reaction Mode Detection Limit Solution	100 mL	N8145056
	NexION Dual Detector Solution	100 mL	N8145059
Matrix	Contents	Vol.	Part No.
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
NexION ICP-MS Cell Stability Solution			
1% HNO ₃	1 µg/L: Cd, Cr, Fe, In, Mg, Pb	500 mL	N8145054
	10 µg/L: Co, Cu, Se (without Se N8151033)		
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 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

Gold Nanoparticle Standards



Description	Diameter (nm)	Number of Particles/mL	Volume (mL)	Part No.
30 nm Spherical Au Nanoparticle in DI Water	30	2.00E +11	25	N8142300
40 nm Spherical Au Nanoparticle in DI Water	40	8.70E +10	25	N8142301
50 nm Spherical Au Nanoparticle in DI Water	50	4.50E +10	25	N8142302
60 nm Spherical Au Nanoparticle in DI Water	60	2.60E +10	25	N8142303
70 nm Spherical Au Nanoparticle in DI Water	70	1.60E +10	25	N8142304
80 nm Spherical Au Nanoparticle in DI Water	80	1.10E +10	25	N8142305
90 nm Spherical Au Nanoparticle in DI Water	90	7.80E +09	25	N8142306
100 nm Spherical Au Nanoparticle in DI Water	100	5.70E +09	25	N8142307

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	Part No.
Single Cell Sample Introduction Kit <i>Includes Asperon™ Spray Chamber (N8152493), Spray Chamber Drain Line (N8152494), Spray Chamber Addition Gas Tee 1/8 Fitting (N8152495), Nebulizer HEN (N8152496), Sample Line for HEN MEINHARD® Nebulizer (N8152489) Syngistix Single Cell Software (N8150321), UV Light Shield (N8152497).</i>	N8150032

For a complete listing of consumables and supplies, please visit www.perkinelmer.com/supplies