

NexION ICP-MS CONSUMABLES AND SUPPLIES



NexION 1000/2X00/5000 ICP-MSの消耗品は装置を考慮して設計されています。各種製品は装置性能を引き出すため、最高品質の素材で製造されています。本ガイドではサンプル導入部品から標準液など、お客様が円滑かつ効率的に運用していただくための消耗品を揃えています。



NexION 1000
ICP-MS



NexION 2000
ICP-MS



NexION® 2200
ICP-MS



NexION 5000
ICP-MS

TRUST THE CONSUMABLES
ENGINEERED FOR
YOUR INSTRUMENTS

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サンプリングコーンとスキマーコーン

精密に設計・製造された大型オリフィスサンプリングコーンとスキマーコーンは長期安定性と目詰まり防止に優れており、取り込まれるサンプルのコンディションに関わらず分析が可能となります。

ニッケル製はほとんどのサンプルに対して高い耐久性を持ち、プラチナ製はより腐食性の高いサンプルに適しています。これらはシグナルの安定性を最大限に高め、溶解固形物が多く含まれるサンプルを長時間分析しても目詰まりしないようデザインされています。

ニッケル製 サンプリングコーン、スキマーコーン

Type	Material	ICP-MS Model	Part No.
Sampler	Nickel	All NexION Models	W1033612
Skimmer	Nickel	NexION 1000/2000	W1026356
Skimmer	Nickel	NexION 2200	N8171142
Skimmer	Nickel	NexION 5000	N8161117

プラチナ製 サンプリングコーン、スキマーコーン

Type	Material	ICP-MS Model	Part No.
Sampler	Platinum	All NexION Models	N8161140
Sampler for HF and Organic Solvents	Platinum	All NexION Models	W1033614
Sampler for Sulfur Based Acids/Solvents	Platinum	All NexION Models	N8145028
Skimmer	Platinum	NexION 1000/2000	W1026907
Skimmer	Platinum	NexION 2200	N8171143
Skimmer	Platinum	NexION 5000	N8161041

ハイパースキマーコーン

Type	Material	ICP-MS Model	Part No.
Hyper-Skimmer Cone	Aluminum	NexION 1000/2000	W1033995
Hyper-Skimmer Cone	Nickel	NexION 2200/5000	N8160120
Hyper-Skimmer for Geological Applications	Nickel	NexION 2200/5000	N8170140
Hyper-Skimmer Kit	Aluminum	NexION 1000/2000	N8140533

交換部品

Description	ICP-MS Model	Part No.
Sampler Gasket	All NexION Models	W1040148
Hyper-Skimmer O-Ring	NexION 1000/2000	09902123
Hyper-Skimmer O-Ring	NexION 2200/5000	09211389
Hyper-Skimmer Screw	NexION 1000/2000	WE027484
Cone Removal Tool	NexION 1000/2000	W1034694
Sampler and Skimmer Removal Tool	NexION 2200/5000*	N8160118
Hyper-Skimmer Removal Tool	NexION 2200/5000	N8160119
Torch Alignment Tool	NexION 1000/2000/2200/5000	N8157042

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

*NexION 5000にはハイパースキマーリムーバブルツール(N8160119)も必要となります。



Sampler for NexION 1000/2000/2200/5000 and Skimmer Cones for NexION 1000/2000



Hyper Skimmer Cone for NexION 1000/2000 (W1033995)



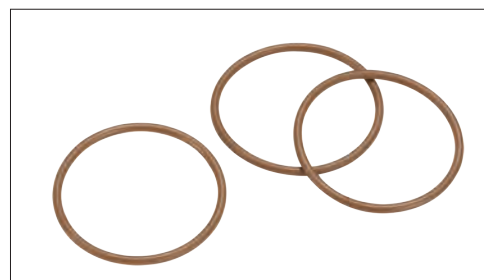
Hyper-Skimmer Cone for NexION 2200/5000



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)

石英トーチ

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 O-Ring 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 NexION 2000S ICP-MS	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 NexION 2000B ICP-MS	N8152472
Fixed 2.5 mm Injector Quartz Torch (Green)	One Piece Quartz Torch with 2.5 mm injector, PVDF O-Ring Free Holder for NexION 2000C ICP-MS	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 i.d. (Qty. 4), 14 mm ID (Qty. 1) and 16 mm i.d. (Qty. 1)	N8152476
PTFE Torch Light Shield Disk		N8152377

脱着式インジェクター

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 Disk for NexION Platinum and Sapphire Injectors	N8151106
2.0 mm Demountable Platinum Straight Bore Injector with Pt Shield Disk	N8171063



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)



2 mm Demountable Quartz Injector (N8152376)



2 mm Demountable Platinum Injector (N8152429)



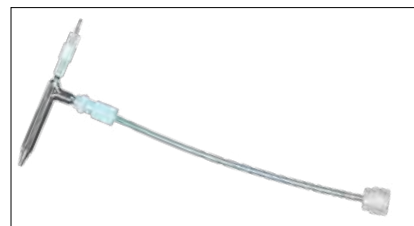
2 mm Demountable Straight Bore Pt Injector with Pt Shield Disk (N8171063)

ネブライザー

同軸型Plusネブライザーはデッドボリュームを最小化し、優れた検出下限とウォッシュアウトによる高い感度を実現します。各ネブライザーには接続キットが付属しています。接続部品には高純度PFAを採用しており、逆流発生時のコンタミネーションを最小限に抑えます。

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

*P8のネブライザー接続パーツとキャピラリーを参照してください。



Glass Low Volume Concentric Plus Nebulizer (N8152373)



PFA ST3 Nebulizer Assembly (N8152378)

DuraMist ネブライザー

DuraMist 同軸ネブライザーはふっ化水素酸(HF)を私用した酸分解サンプルに対応可能で、高精度分析に適した経済的なネブライザーです。

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

MicroMist ネブライザー

MicroMist同軸ネブライザーは限られたサンプル量での測定に高い性能を発揮します。ネブライザー接続部にはユニフィットコネクタとアルゴンコネクタが取り付けられており、ラチェットコネクタ付きガス接続部品(N8151079)が付属しています。

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 Nebulizers

SeaSpray ネブライザー

SeaSpray 同軸ネブライザーは微量分析において最高の噴霧効率を提供します。析出物による詰まりを抑え、高塩濃度サンプルの濃度を保ったまま高感度を得る事が可能です。ネブライザー接続部にはユニフィットコネクタとアルゴンコネクタが取り付けられており、ラチェットコネクタ付きガス接続部品(N8151079)が付属しています。

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



SeaSpray Nebulizers

ネブライザー接続パーツ

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 アルゴン加湿器

pergo 2000 は全ての同軸ネブライザーの性能を向上させます。ネブライザー先端の塩の析出を防ぎ、感度と安定性を向上させます。

Description	Part No.
pergo 1 without Nebulizer	N8145315
pergo 1 with MEINHARD Type C Nebulizer	N8145316
pergo 1 with PFA-ST Nebulizer	N8150427
pergo 2 without Nebulizer	N8150743
pergo 2 with MEINHARD Type C Plus Nebulizer	N8150428
pergo 2 with PFA-ST Nebulizer	N8150429
pergo 1 NexION 1000/2000 Gas Line Conversion Kit	N8152683
pergo 2 NexION 1000/2000 Gas Line Conversion Kit	N8152692
pergo Gas Extensions	N8152688
pergo 2000	N8150499
pergo 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 アルゴン加湿器

Elegra アルゴン加湿器は高濃度の溶解固形物を含むサンプルを分析するときに使用します。ネブライザーとトーチインジェクターの先端で堆積物を抑制し、中断を余儀なくされる状況をなくしてメンテナンスフリーを可能にします。

- 高効率メンブレン加湿技術
- 溶解固形物の多いサンプルで感度安定性を向上
- Elegra デュアル2チャンネルにより補助アルゴンがICP-MSで使用可能

Description	Part No.
Elegra Argon Humidifier	N8150493
Elegra Dual Two-Channel Argon Humidifier	N8150494



pergo Argon Humidifier 2000 (N8150499)



Elegra Argon Humidifier (N8150494)

スプレーチャンバー

サイクロンスプレーチャンバーは、サンプルミストから大きな液滴を効率的かつ迅速に除去しますので、小さな液滴の閉塞や凝集をなくします。その結果として他のスプレーチャンバーよりも効率や精度を高め、ウォッシュアウトを高速化します。

- スプレーチャンバーとネブライザーを組み合わせることによって必然的にサンプル導入システムの設定と最適化にかかる時間を短くします。
- デッドボリュームの最小化と排水の効率化により、時間当たりのサンプル処理数が増加します。

Type	Description	Part No.
Glass Cyclonic High Sensitivity Spray Chamber	For NexION 2000B and NexION 2200 ICP-MS	N8152375
Glass Cyclonic High Sensitivity Spray Chamber with Matrix Gas Port	For NexION 2000C/P and NexION 2200 ICP-MS	N8152389
SilQ Cyclonic High Sensitivity Spray Chamber	For NexION 2000S and NexION 2200 ICP-MS	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
High Performance PFA Spray Chamber	High Sensitivity and Stability Spray Chamber with AMS Gas Port for use with HF acid	N8171061

スプレーチャンバー関連部品

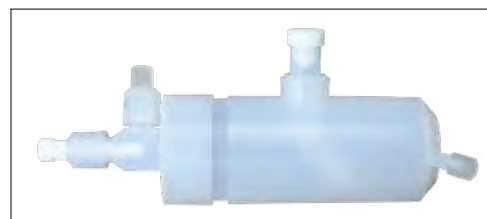
Description	Part No.
UV Light Shield for Cyclonic Spray Chamber for NexION 2000B and NexION 2200 ICP-MS	N8152425
UV Light Shield for UV Shield for PC ^{3X} Peltier Cooler/Heater for NexION 2000C/P/S (for use with PC ³) and NexION 2200 ICP-MS	N8152475
Threaded Spray Chamber Drain Line 1/4 -28 Fitting	N8152456
AMS Gas Line for PFA Spray Chamber N8171061, with 0.25 mm i.d. Tubing and Fittings on Each End	N8171064



Glass Cyclonic Chamber (N8152375)



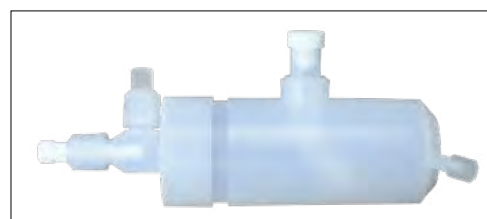
Glass Cyclonic High Sensitivity Spray Chamber with Matrix Gas Port (N8152389)



PFA Barrel Spray Chamber with Additional Gas Port (N8150450)



UV PC³ Light Shield (N8152475)



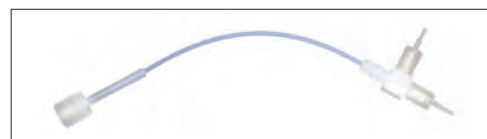
High Performance PFA Spray Chamber with AMS Gas Port (N8171061)

ネブライザー接続パーツとキャピラリー

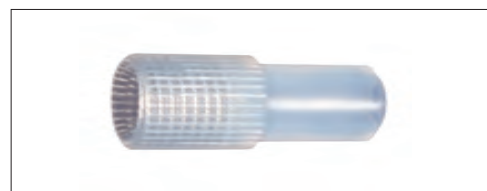
Description	Part No.
MEINHARD Nebulizer Internal Standard Tee	N8152386
PFA-ST Nebulizer Internal Standard Addition Tee	N8152423
MEINHARD Plus Nebulizer Fitting for Concentric Nebulizer (N8152378)	N8152387
Peripump Union - Male Barb CTFE Fitting	N8152453
Peripump Union - Female Barb CTFE Fitting	N8152388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



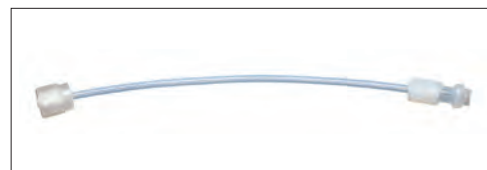
10-32 Union for MEINHARD Plus Nebulizer (N8152387)



Sample Introduction Line for PFA-ST Nebulizer (N8152455)



Internal Standard Probe (N8152452)

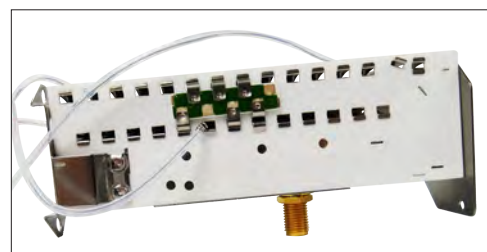


Nebulizer Gas Line (N8152385)

デュアルモード検出器

デュアルモード検出器はNexION ICP-MS SimulScanシステムにとって不可欠な部分です。この離散ダイノード電子増倍管は高濃度と低濃度を同時に検出します。これにより貴重なサンプルや限られたサンプルが節約され、時間のかかるサンプル希釈が不要となり、不明確なサンプルでも素早く評価することが出来ます。

Description	Part No.
Dual-Stage Detector	N8151011



Dual-Stage Detector (N8151011)

オートサンプラー容器

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

ポンプチューブ

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

ペリポンプチューブキット (チューブの初期パック、一般的に使用される4サイズを含みます)			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

ペリポンプチューブキット (チューブの初期パック、一般的に使用される4サイズを含みます)			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		

その他のチューブ

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

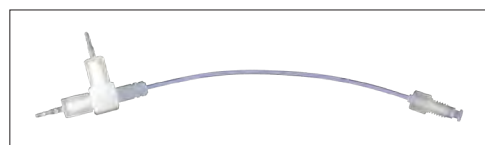
内標準用パーツ

Internal Standard Spares for MEINHARD Nebulizer

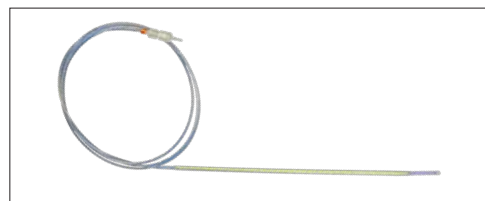
Description	Part No.
PFA Tee	N8152386
Nebulizer Fitting	N8152387
Internal Standard Probe	N8152452

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)

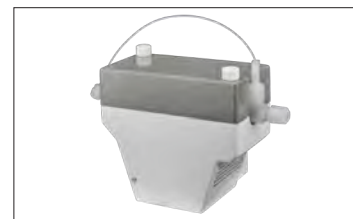
温度制御スプレーチャンバー

PC3x は小型の加熱/冷却のペルチェシステムです。スプレーチャンバーの温度を調整し、長期的な安定性を高めます。冷却モードではエアロゾルから水や溶媒が除去され、プラズマへの負荷を減少させます。加熱モードでは揮発性サンプルの通過による影響を低減、または排除できます。

PCHは高効率PFAスプレーチャンバー用の冷却/加熱ペルチェシステムです。こちらの製品は低いメモリー効果や迅速なウォッシュアウト、HF含有サンプルの高い送液効率などの効果を提供する温度制御インレットシステムです。加熱モードでは低流量アプリケーションの感度を向上させます。制御温度範囲は-10°Cから80°Cです。



PC^{3x} Sample Introduction (N8152382)

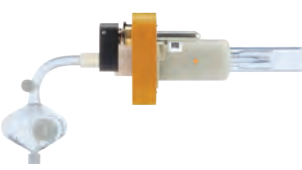


PCH Peltier cooler/heater thermally stabilized inlet system (N8150445)

PC ³ 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

NexION 1000/2X00/5000用サンプル導入キット

NexION SMARTintro サンプル導入キットは、あらゆるラボラトリーで性能が検証された完全なキットです。各システムで特定のサンプル導入キットが組み合わせられるように、ユーザーのアプリケーションに合わせて色分けされています。

SMARTintro サンプル導入キット	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 サンプル導入キット	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 サンプル導入モジュールとカセット

カセット、トーチ、PTFE製トーチライトシールド、トーチインジェクター取外しツールが含まれます。

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 SilQ 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 Stripe Colored Cassette, One-Piece SilQ Torch, 2.0 mm Quartz Injector	N8161013
	Light Blue Colored Cassette, One-Piece Quartz Torch, 2.0 mm Quartz Injector	N8991011
	Dark Green Colored Cassette, One-Piece Quartz Torch, 2.0 mm Quartz Injector	N8171004
	Light Blue/Green Stripe Colored Cassette, One-Piece Quartz Torch with 2.0 mm Quartz Injector	N8991017
	Green/White Stripe Colored Cassette, One-Piece Quartz Torch, 2.0 mm Quartz Injector	N8161016
	Platinum/Black Stripe Colored Cassette, Demountable SilQ Torch, 2.0 mm Pt Injector	N8171002

Sample Introduction Cassettes Only

Color		Part No.
	Blue (Included with NexION 2000B ICP-MS)	N8152430
	Green (Included with NexION 2000C ICP-MS)	N8152431
	White (Included with NexION 2000S ICP-MS)	N8152432
	Black (Included with NexION 2000P ICP-MS)	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, 2000G and 2200G ICP-MS)	N8991010
	Dark Green (Included with NexION 2200 ICP-MS)	N8171005
	Light Blue/Green Stripe (Included with NexION 5000G ICP-MS)	N8991016
	Green/White Stripe (Included with NexION 5000B ICP-MS)	N8161044
	Platinum/Black Stripe (For Applications Requiring High Sensitivity)	N8171003

All sample introduction modules and sample introduction cassettes are compatible with NexION 1000/2000/2200/5000 instruments

標準液

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

その他の交換部品

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 1000/2200/5000 消耗品キット

一般的な年間消耗品-キットの内訳は下記のとおりです;

Configurations			1000	2200	5000B	5000S
Description	Qty.	Part No.	N8150058	N8170105	N8160028	N8160027
Fixed 2.0 mm Injector Quartz Torch (Blue/Purple Mark)	2	N8152472	✓	✓	✓	
Fixed 2.5 mm Injector Quartz Torch (Green Mark)	2	N8152473				✓
Glass Cyclonic High Sensitivity Spray Chamber with Matrix Gas Port	1	N8152389	✓	✓	✓	
SilQ Cyclonic Spray Chamber with Matrix Gas Port	1	N8152539				✓
Threaded Spray Chamber Drain Line	2	N8152456	✓	✓	✓	✓
Nickel Skimmer Cone	2	W1026356	✓			
Nickel Skimmer Cone	2	N8161117			✓	
Nickel Skimmer Cone	2	N8171142		✓		
Platinum Skimmer Cone for NexION 5000	2	N8161041				✓
Nickel Sampler Cone	2	W1033612	✓	✓	✓	
Platinum Sampler Cone	2	N8161140				✓
Hyper-Skimmer Cone for NexION 1000/2000	1	W1033995	✓			
Hyper-Skimmer Cone for NexION 2200/5000	1	N8160120		✓	✓	✓
Sampler Cone Gasket	3	W1040148	✓	✓	✓	✓
Hyper-Skimmer Cone O-Ring (0.614 i.d. 0.070WD)	2	09902123	✓			
Hyper-Skimmer O-Ring (0.926 i.d. 0.070WD VITON 60 DUR)	3	09211389		✓	✓	✓
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	✓	✓	✓	✓
Self-Aspirating Probe, Purple Marker, 0.25 mm i.d.	1	N8152512				✓
Self-Aspirating Probe, Purple Marker, 0.3 mm i.d.	1	N8152513				✓
Internal Standards Probe, 0.5 mm i.d.	2	N8152452			✓	

NexION 2000 消耗品キット

一般的な年間消耗品-キットの内訳は下記のとおりです;

Configurations			2000B	2000C	2000P	2000S
Description	Qty.	Part No.	N8150052	N8150055	N8150056	N8150057
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 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	✓	✓	✓	
Nickel Sampler Cone	2	W1033612	✓	✓	✓	
Platinum Skimmer Cone	2	W1026907				✓
Platinum Sampler Cone	2	N8161140				✓
Hyper-Skimmer Cone for NexION 1000/2000	1	W1033995	✓	✓	✓	✓
Sampler Cone Gasket	3	W1040148	✓	✓	✓	✓
Hyper-Skimmer Cone O-Ring (0.614 i.d. 0.070WD)	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	✓	✓	✓	✓

医薬品分析標準液

UPS

UPS (米国薬局方) に準拠したソリューションの一環として、医薬品原料中に含まれる金属の分析用として提供しています。USP に準じた標準液では、4つの有毒金属(ヒ素、カドミウム、鉛、水銀)の検量線作成に使用できます。

ICH

上記の標準液を組み合わせ、ICH (医薬品規制調和国際会議) のガイドラインに沿った金属分析用の標準液を提供しています。

これらの信頼性の高い標準液をお使いいただくことで、更新されていく規制に対応し続けることが可能です。

USPおよびICH 標準液

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 – Parenteral PDEs			
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
2% HNO ₃	Internal Standards – All PDEs: 50 µg/mL Ge 20 µg/mL Ga 1 µg/mL In, Tb	125 mL	N9304367



USPおよびICH 標準液 つづき

Matrix	Content	Volume	Part No.
ICH Elemental Impurities Standards – Inhalational PDEs			
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 - Inhalation PDEs (continued)			
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

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

金ナノ粒子標準液

シングルパーティクル(単一粒子)分析用の標準液です。この粒子標準液の粒子はほぼ完全な球形をしており、各粒子の体積および粒度分布のCVIは5%未満です。

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			



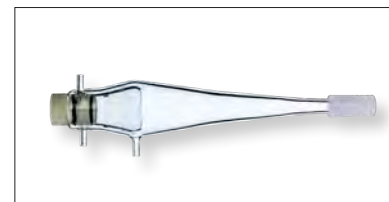
Nanoparticle Standard

シングルセルサンプル導入キット

シングルセルアプリケーションモジュールは、PerkinElmer製ICP-MS用ソフトウェアSyngistixから操作します。細胞内の金属含有量を分析するラボラトリーにとって、理想的なツールです。溶液に含まれる金属や金属ナノ粒子の抽出、または細胞固有の金属含有量のいずれにも対応できます。この独自のソフトウェアモジュールにより同じサンプルの溶液画分と細胞画分の区別や定量が可能となります。

一度の分析で、細胞中の金属濃度、金属を含む細胞数や割合を特定することが可能です。世界初のシングルセルアプリケーションモジュールとNexIONシリーズのICP-MSとを組み合わせ、さまざまなマトリックスやアプリケーションにおける金属の迅速な検出や分析を提供します。

Description	Qty.	Part No.
Single Cell Kit for NexION 1000/2000		N8150032
Kit Includes:		
Aspero 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)

本カタログに掲載される製品の仕様・価格等は予告なく変更する場合や取扱いを中止する場合もございますので予めご了承ください。



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