

La-Pha-Pack®

Werner Reifferscheidt GmbH

Consumables for Agilent



La-Pha-Pack® Werner Reifferscheidt GmbH, Am Parir 20, 52379 Langerwehe, Internet: www.la-pha-pack.com
Tel.: (+49) 24 23 / 94 31-0, Fax: (+49) 24 23 / 94 31-33, E-Mail: Service@La-Pha-Pack.com

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SHORT THREAD ND9



Consumables for

Agilent (HP)

Series 1100,
1050, 1090
79855 A (Autosampler)

MICROLITER ND9 + ND11



Crimp Neck ND11							
1:1 Drawings							
LPP Art.-No.	11 09 0356	11 09 0476	11 09 0477	11 09 0619	11 14 1190	11 14 1266	11 09 0921
See Agilent (HP) Art.-No.	5181-3375 (100) 5183-4491 (1000)	5182-0543 (100) 5183-4492 (1000)	5181-3376 (100) 5183-4493 (1000)	5182-3454 alt: 5185-5821	9301-0977		9301-1388
LPP Art.-Description	1.5ml Crimp Neck Vial, 32 x 11.6mm, clear glass, 1" hydrol. class, wide opening	1.5ml Crimp Neck Vial, 32 x 11.6mm, clear glass, 1" hydrol. class, wide opening, label + filling lines	1.5ml Crimp Neck Vial, 32 x 11.6mm, amber glass, 1" hydrol. class, wide opening, label + filling lines	1.1ml Microliter Crimp Neck Vial ND11, clear glass, 1" hydrol. class	Top Ser™ TPX Snap Ring Vial ND11, 32 x 11.6mm, with integrated 0.2ml Glass Micro-Insert	Top Ser™ TPX Snap Ring Vial ND11, 32 x 11.6mm, with integrated SILANIZED Micro-Insert	Crimp Neck Vial with integrated 0.2ml Micro-Insert, clear glass, 1" hydrol. class, label + filling lines
LPP Packaging Unit	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box

Short Thread ND9							
1:1 Drawings							
LPP Art.-No.	11 09 0500	11 09 0519	11 09 0520	11 09 1241	11 09 1242	11 09 0620	11 14 1189 (11 14 1265)
See Agilent (HP) Art.-No.	5182-0714 (100) 5183-2067 (1000)	5182-0715 (100) 5183-2068 (1000)	5182-0716 (100) 5183-2069 (1000)	5183-2070	5183-2072	5183-2030	
LPP Art.-Description	1.5ml Short Thread Vial, 32 x 11.6mm, clear glass, 1" hydrol. class, wide opening	1.5ml Short Thread Vial, 32 x 11.6mm, clear glass, 1" hydrol. class, wide opening, label + filling lines	1.5ml Short Thread Vial, 32 x 11.6mm, amber glass, 1" hydrol. class, label + filling lines	SILANIZED 1.5ml Short Thread Vial, 32 x 11.6mm, clear glass, wide opening	SILANIZED 1.5ml Short Thread Vial, 32 x 11.6mm, amber glass, wide opening, label + filling lines	1.1ml Microliter Short Thread Vial ND9, 32 x 11.6mm, clear glass, 1" hydrol. class	Top Ser™ Short Thread Vial ND9, 32 x 11.6mm, with integrated 0.2ml Glass Micro-Insert, clear glass, 1" hydrol. class, label + filling lines
LPP Packaging Unit	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box

LC + LC/MS

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Consumables for Agilent (HP)

Series 1100,
1050, 1090
79855 A (Autosampler)



Snap Ring ND11					Crimp Neck ND8		
1:1 Drawings							
LPP Art.-No.	11 09 0627	11 09 0644	11 09 0645	11 14 1190	11 14 1266	08 09 0276 08 09 0606	
See Agilent (HP) Art.-No.	5182-0544 (100) 5183-4504 (1000)	5182-0546 (100) 5183-4505 (1000)	5182-0545 (100) 5183-4506 (1000)	9301-0977		5180-0841 5180-0844	
LPP Art.-Description	1.5ml Snap Ring Vial, 32 x 11.6mm, clear glass, 1" hydrof. class, wide opening	1.5ml Snap Ring Vial, 32 x 11.6mm, clear glass, 1" hydrof. class, wide opening, label + filling lines	1.5ml Snap Ring Vial, 32 x 11.6mm, amber glass, 1" hydrof. class, wide opening, label + filling lines	TopSert™ TPX Snap Ring Vial ND11, 32 x 11.6mm, with integrated 0.2ml Glass Micro-Insert	TopSert™ TPX Snap Ring Vial ND11, 32 x 11.6mm, with integrated 0.2ml Glass Micro-Insert	0.3ml Micro-Vial, 31.5 x 5.5mm, clear glass, 1" hydrof. class, round bottom	0.3ml Micro-Vial, 31.5 x 5.5mm, clear glass, 1" hydrof. class, conical
LPP Packaging Unit	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box	10 x 100 pieces per PP-Box 10 x 100 pieces per PP-Box	

MICRO-INSERTS FOR WIDE OPENING (Short Thread ND9, Crimp Neck ND11, Snap Ring ND11)

MICRO-INSERTS FOR WIDE OPENING (Short Thread ND9, Crimp Neck ND11, Snap Ring ND11)						
1:1 Drawings						
LPP Art.-No.	06 09 0357	06 09 0669	06 09 0866	06 09 0865	06 09 1343	06 09 1240
See Agilent (HP) Art.-No.	Alt. 5183-2085	5183-2085	5181-3377	5181-1270	5181-8872	
LPP Art.-Description	0.1ml Micro-Insert, 31 x 6mm, clear glass, 15mm top	0.1ml Micro-Insert, 31 x 6mm, clear glass, 12mm top	0.2ml Micro-Insert, 31 x 6mm, clear glass, flat bottom	0.1ml Micro-Insert, 29 x 5.7mm, clear glass, with assembled plastic spring	0.1ml Micro-Insert, 29 x 5.7mm, clear glass, with assembled plastic spring SILANIZED	0.1ml Micro-Insert, 31 x 6mm, clear glass, 15mm top SILANIZED
LPP Packaging Unit	10 x 100 pieces per PP-Box	10 x 100 pieces per PP-Box	10 x 100 pieces per PP-Box	10 x 100 pieces per PP-Box	10 x 100 pieces per PP-Box	10 x 100 pieces per PP-Box

Vial Racks

LPP Art.-No.	08 21 1000	12 21 1001
See Agilent (HP)	5061-3349	Alt. 9301-0722
LPP Art.-Description	Vial Rack, Acrylic, (173 x 95 x 20mm), 50 cavities with a diameter of 8.5/3mm	Vial Rack, Acrylic, (173 x 95 x 20mm), 50 cavities with a diameter of 12mm
LPP Packaging Unit	1 piece	1 piece

LC + LC/MS

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Series 1100,
1050, 1090
79855 A (Autosampler)

Consumables for Agilent (HP)



Seals for Crimp Neck ND11 (with assembled Septa)

11 03 0209	5181-1210 (100); 5183-4498 (1000)	11mm Alu. Crimp Cap, clear lacquered, centre hole; Natural Rubber red-orange/TEF transp., 60° shore A, 1.0mm
11 03 0301	alt. 5181-1216	11mm Alu. Crimp Cap, green lacquered, centre hole; Natural Rubber red-orange/Butyl red/TEF transp., 45° shore A, 1.0mm
11 03 0302	alt. 5181-1217	11mm Alu. Crimp Cap, red lacquered, centre hole; Natural Rubber red-orange/Butyl red/TEF transp., 45° shore A, 1.0mm
11 03 0303	alt. 5181-1215	11mm Alu. Crimp Cap, blue lacquered, centre hole; Natural Rubber red-orange/Butyl red/TEF transp., 45° shore A, 1.0mm
11 03 0196	5181-1211 (100); 5183-4499 (1000)	11mm Alu. Crimp Cap, clear lacquered, centre hole; PTFE red/Silicone white/PTFE red, 45° shore A, 1.0mm
11 03 0247	5182-0552 (100); 5183-4500 (1000)	11mm Alu. Crimp Cap, clear lacquered, centre hole; UltraClean Silicone white/PTFE red, 45° shore A, 1.3mm
11 03 0407	5181-1212	11mm Alu. Crimp Cap, clear lacquered, centre hole; Viton 1A black, 70° shore A, 1.5mm
11 03 0339	5182-0871	11mm Alu. Crimp Cap, clear lacquered, centre hole, PTFE virginal, 53° shore D, 0.25mm with roll groove;

Further 11mm Aluminium Crimp Seals with different Septa or with Crimp Caps in different colours are available!

Packaging Unit: 100 pieces per PE-Bag

Short Thread Seals ND9 (with assembled Septa)

09 15 0982		9mm PP Short Thread Cap, blue, centre hole; PTFE virginal, 53° shore D, 0.2mm
09 15 0867	alt. 5182-0717	9mm PP Short Thread Cap, blue, centre hole; Natural Rubber red-orange/TEF transp., 60° shore A, 1.0mm
09 15 1176	alt. 5182-0719	9mm PP Short Thread Cap, red, centre hole; Natural Rubber red-orange/TEF transp., 60° shore A, 1.0mm
09 15 1570	alt. 5185-5838	9mm PP Short Thread Cap, black, centre hole; Natural Rubber red-orange/TEF transp., 60° shore A, 1.0mm
09 15 1356	alt. 5182-0718	9mm PP Short Thread Cap, green, centre hole; Natural Rubber red-orange/TEF transp., 60° shore A, 1.0mm
09 15 0838	5182-0720	9mm PP Short Thread Cap, blue, centre hole; UltraClean Silicone white/PTFE red, 55° shore A, 1.0mm
09 15 1178	5182-0722	9mm PP Short Thread Cap, red, centre hole; UltraClean Silicone white/PTFE red, 55° shore A, 1.0mm
09 15 1332	5182-0721	9mm PP Short Thread Cap, green, centre hole; UltraClean Silicone white/PTFE red, 55° shore A, 1.0mm
09 15 0868	5182-0723	9mm PP Short Thread Cap, blue, centre hole; PTFE red/Silicone white/PTFE red, 45° shore A, 1.0mm
09 15 1177	5182-0725	9mm PP Short Thread Cap, red, centre hole; PTFE red/Silicone white/PTFE red, 45° shore A, 1.0mm
09 15 1485	5182-0724	9mm PP Short Thread Cap, green, centre hole; PTFE red/Silicone white/PTFE red, 45° shore A, 1.0mm
09 15 0869	5183-2076	9mm PP Short Thread Cap, blue, centre hole; Silicone white/PTFE blue, with slit, 55° shore A, 1.0mm
09 15 1179	5183-2078	9mm PP Short Thread Cap, red, centre hole; Silicone white/PTFE blue, with slit, 55° shore A, 1.0mm
09 15 1.....	5183-2077	9mm PP Short Thread Cap, green, centre hole; Silicone white/PTFE blue, with slit, 55° shore A, 1.0mm
09 04 1533	5185-5823	9mm UltraBond™ Seal: PP Short Thread, blue, centre hole; Silicon white/PTFE beige, 45° shore A, 1.3mm
09 04 1534	5185-5824	9mm UltraBond™ Seal: PP Short Thread, blue, centre hole; Silicon white/PTFE beige, with slit, 45° shore A, 1.3mm

Further 9mm Short Thread Seals with different Septa resp. with red, transparent, green, yellow or black caps are available!

Packaging Unit: 100 pieces per PE-Bag

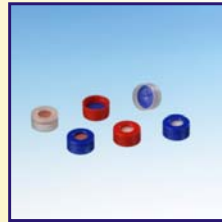
LC + LC/MS

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Consumables for Agilent (HP)

Series 1100,
1050, 1090
79855 A (Autosampler)



Snap Ring Seals ND11 (with assembled Septa)

11 15 0635	alt. 5182-0550 (100) alt. 5182-0564 (500)	11mm PE Snap Ring Cap, transp., centre hole;	Natural Rubber red-orange/TEF transp., 60° shore A, 1.0mm
11 15 1267	alt. 5182-3458	11mm PE Snap Ring Cap, blue, centre hole;	Natural Rubber red-orange/TEF transp., 60° shore A, 1.0mm
11 15 1323	alt. 5182-3459	11mm PE Snap Ring Cap, red, centre hole;	Natural Rubber red-orange/TEF transp., 60° shore A, 1.0mm
11 15 1555	alt. 5182-3457	11mm PE Snap Ring Cap, green, centre hole;	Natural Rubber red-orange/TEF transp., 60° shore A, 1.0mm
11 15 0637		11mm PE Snap Ring Cap, transp., centre hole;	UltraClean Silicone white/PTFE red, 45° shore A, 1.3mm
11 15 1151	5182-0541	11mm PE Snap Ring Cap, blue, centre hole;	UltraClean Silicone white/PTFE red, 45° shore A, 1.3mm
11 15 1325		11mm PE Snap Ring Cap, red, centre hole;	UltraClean Silicone white/PTFE red, 45° shore A, 1.3mm
11 15 0636	5182-0566	11mm PE Snap Ring Cap, transp., centre hole;	PTFE red/Silicone white/PTFE red, 45° shore A, 1.0mm
11 15 1268		11mm PE Snap Ring Cap, blue, centre hole;	PTFE red/Silicone white/PTFE red, 45° shore A, 1.0mm
11 15 1324		11mm PE Snap Ring Cap, red, centre hole;	PTFE red/Silicone white/PTFE red, 45° shore A, 1.0mm
11 15 0650	5183-4511	11mm PE Snap Ring Cap, transp., centre hole;	Silicone white/PTFE blue, cross-slitted, 55° shore A, 1.0mm
11 15 1269		11mm PE Snap Ring Cap, blue, centre hole;	Silicone white/PTFE blue, cross-slitted, 55° shore A, 1.0mm
11 15 1326		11mm PE Snap Ring Cap, red, centre hole;	Silicone white/PTFE blue, cross-slitted, 55° shore A, 1.0mm

Further 11mm Snap Ring Seals with different Septa resp. with green or yellow Caps are available!
Packaging Unit: 100 pieces per PE-Bag

LC + LC/MS

Seals for Crimp Neck ND8 (with assembled Septa)

08 03 0451	5183-4489	8mm Alu. Crimp Cap, clear lacq., centre hole;	Natural Rubber red-orange/TEF transp., 60° shore A, 1.0mm
08 03 0249	5180-0842	8mm Alu. Crimp Cap, clear lacq., centre hole;	UltraClean Silicone white/PTFE red, 45° shore A, 1.3mm
08 03 0113	5183-4490	8mm Alu. Crimp Cap, clear lacq., centre hole;	PTFE red/Silicone white/PTFE red, 45° shore A, 1.0mm

Further 8mm Crimp Seals with different Septa are available!
Packaging Unit: 100 pieces per PE-Bag

Crimpers

LPP Art.-No.	08 06 0005	08 07 0001	11 06 0006	11 07 0002
See Agilent (HP)	8710-1643	5181-8827	8710-0979	5181-1213
LPP Art.-Description	8mm Crimper	8mm Decapper	11mm Crimper	11mm Decapper
LPP Packaging Unit	1 piece per PP-Box	1 piece per PP-Box	1 piece per PP-Box	1 piece per PP-Box

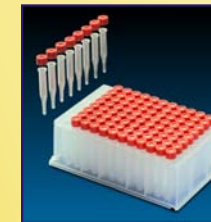


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Consumables for Agilent (HP)

Series 1100

Wellplate for Wellplate Autosampler of series 1100



LPP Art.-No.	08 20 0897	08 14 0889	08 09 0888	09 15 0763
See Agilent (HP) Art.-No.	5065-4402			
LPP Art.-Description	DW-Block "riplate", Polypropylene, 96 Positions (Ritter); filled with: 0.35ml DW-Micro-Insert, with assembled 9mm PE-Cap, 5.9mm high, red, Silicone white/PTFE red, 45° shore A, 1.9mm, slitted	0.35ml DW-Micro-Insert, 42.5 x 6mm, clear glass, 17mm top, with assembled 9mm PE-Cap, 5.9mm high, red, Silicone white/PTFE red, 45° shore A, 1.9mm, slitted	0.35ml DW-Micro-Insert, 42.5 x 6mm, clear glass, 17mm top	9mm PE-Cap, 5.9mm high, red, Silicone white/PTFE red, 45° shore A, 1.9mm, slitted
LPP Packaging Unit	1 piece shrink-wrapped	10 x 96 pieces per PP-Box	10 x 96 pieces per PP-Box	96 pieces per PE-Bag

Other Services



Upon request we can also supply pre-sealed vials!



Upon request we can also supply vials with a barcode label!



Any combination of 1.5ml Vials with appropriate Seals of your choice can be supplied as 2in1 KIT!

LC + LC/MS

Special La-Pha-Pack 2in1 KITS for AGILENT

SHORT THREAD ND9			
Article No.	See Agilent (HP) Article-No.	Vial	+ Seal
11 24 1049	alt. 5182-0732 (500)	11 09 0500 + 09 15 0867	
11 24 1050	alt. 5182-0734 (500)	11 09 0500 + 09 15 0838	
11 24 1051	alt. 5183-2079 (500)	11 09 0500 + 09 15 0869	
11 24 1052	alt. 5182-0736 (500)	11 09 0500 + 09 15 0868	
11 24 1143	alt. 5182-0868 (500)	11 09 0519 + 09 15 0838	
11 24 1238	alt. 5183-2080 (500)	11 09 0519 + 09 15 0869	
11 24 1446	alt. 5182-0869 (500)	11 09 0519 + 09 15 0868	

CRIMP NECK ND11		
Article No.	See Agilent (HP) Article-No.	Vial + Seal
11 25 1053	5181-3400 (500)	11 09 0356 + 11 03 0209
11 25 1055		11 09 0356 + 11 03 0247
11 25 1057		11 09 0356 + 11 03 0196
11 25 1139		11 09 0476 + 11 03 0209
11 25 1097	5181-8801 (500)	11 09 0477 + 11 03 0209
11 25 1289		11 09 0477 + 11 03 0247

Further 2in1 KITS upon request!

SNAP RING ND11		
Article No.	See Agilent (HP) Article-No.	Vial + Seal
11 26 1059	alt. 5182-0547 (500)	11 09 0627 + 11 15 0635
11 26 1444	alt. 5182-0548 (500)	11 09 0645 + 11 15 0635

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**PP MICRO-VIALS
ND9 + ND11**



Consumables for
Agilent (HP)

CE + CE/MS

**25mm HPLC
Syringe Filters**



1:1 Drawings	1.5ml PP Vial ND9	PP Vials ND9 + ND11		PP Vials ND9 + ND11		
LPP Art.-No.	11 19 1205 11 19 1516	11 19 0932	11 19 0933	11 14 1190	11 19 1216 11 19 1217	
See Agilent (HP) Art.-No.		9301-0978 (1000) 5188-2788 (100)		9301-0977		
LPP Art.-Description	1.5ml Polypropylene Short Thread Vial ND9, 32 x 11.6mm, transparent same, amber	0.3ml Polypropylene Micro-Vial ND9, 32 x 11.6mm, transparent also available in TPX	0.3ml Polypropylene Micro-Vial ND11, 32 x 11.6mm, transparent also available in TPX	0.3ml Top Ser® TPX Snap Ring Vial ND11, 32 x 11.6mm, with integrated 0.2ml Glass Micro-Insert	0.3ml Polypropylene Micro-Vial ND9, 32 x 11.6mm, amber per PE-Bag	0.3ml Polypropylene Micro-Vial ND11, 32 x 11.6mm, amber per PE-Bag
LPP Packaging Unit	100 Stück pro PE-Beutel	100 pieces per PE-Bag	100 pieces per PE-Bag	100 pieces per PP-Box	100 pieces per PE-Bag	100 pieces per PE-Bag

ProFill™ HPLC Syringe Filters (Other HPLC consumables)
(also available as ProFill™ PLUS HPLC Syringe Filter with glass fibre prefilter)

25 16 0346 alt. 5185-5834	25 16 0347 alt. 5185-5835	25 16 0348 alt. 5185-5830	25 16 0349 alt. 5185-5831	25 16 0350 alt. 5185-5832	25 16 0351 alt. 5185-5833
ProFill™ 25mm HPLC Syringe Filter, PTFE, green, 0.45µm	ProFill™ 25mm HPLC Syringe Filter, PTFE, natural, 0.45µm	ProFill™ 25mm HPLC Syringe Filter, Reg. Cellulose (RC), blue, 0.20µm	ProFill™ 25mm HPLC Syringe Filter, Reg. Cellulose (RC), yellow, 0.45µm	ProFill™ 25mm HPLC Syringe Filter, Nylon (PA), bright blue, 0.20µm	ProFill™ 25mm HPLC Syringe Filter, Nylon (PA), bright green, 0.45µm
100 pieces per PE-Bag, add. packed in a PP-Box	100 pieces per PE-Bag, add. packed in a PP-Box	100 pieces per PE-Bag, add. packed in a PP-Box	100 pieces per PE-Bag, add. packed in a PP-Box	100 pieces per PE-Bag, add. packed in a PP-Box	100 pieces per PE-Bag, add. packed in a PP-Box
Hydrophobic (water repellent)	Hydrophobic (water repellent)	Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic
Sample Retention < 0.1ml Pressure Rating: 500 kPa (= 5 bar = 72 psi) Effective Filter Area: 3.7 cm² Luer-Lock-Inlet (female) Luer-Slip (male) chemically high resistant	Sample Retention < 0.1ml Pressure Rating: 500 kPa (= 5 bar = 72 psi) Effective Filter Area: 3.7 cm² Luer-Lock-Inlet (female) Luer-Slip (male) chemically high resistant	Sample Retention < 0.1ml Pressure Rating: 500 kPa (= 5 bar = 72 psi) Effective Filter Area: 3.7 cm² Luer-Lock-Inlet (female) Luer-Slip (male) good moistening properties, wet durable	Sample Retention < 0.1ml Pressure Rating: 500 kPa (= 5 bar = 72 psi) Effective Filter Area: 3.7 cm² Luer-Lock-Inlet (female) Luer-Slip (male) good moistening properties, wet durable	Sample Retention < 0.1ml Pressure Rating: 500 kPa (= 5 bar = 72 psi) Effective Filter Area: 3.7 cm² Luer-Lock-Inlet (female) Luer-Slip (male) high mechanical stability, i.e. Wet + dry durable	Sample Retention < 0.1ml Pressure Rating: 500 kPa (= 5 bar = 72 psi) Effective Filter Area: 3.7 cm² Luer-Lock-Inlet (female) Luer-Slip (male) high mechanical stability, i.e. Wet + dry durable
for organic solutions, aggressive acids and bases or cryo liquids	for organic solutions, aggressive acids and bases or cryo liquids	for aqueous and organic media, not suitable for aggressive acids and bases	for aqueous and organic media, not suitable for aggressive acids and bases	for aqueous and organic media (often used for pharmaceutical application)	for aqueous and organic media (often used for pharmaceutical application)

CE + CE/MS

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SHORT THREAD ND9



Consumables for
Agilent (HP)

**5880, 5890 (GCs)
6850, 6890 (GCs)
7673 A + 7683 A**

CRIMP NECK ND11



1:1 Drawings	Crimp Neck ND11					
LPP Art.-No.	11 09 0356	11 09 0476	11 09 0477	11 09 0619	11 14 1190	11 14 1266 11 09 0921
See Agilent (HP) Art.-No.	5181-3375 (100) 5183-4491 (1000)	5182-0543 (100) 5183-4492 (1000)	5181-3376 (100) 5183-4493 (1000)	5182-3454 alt. 5185-5821	9301-0977	9301-1388
LPP Art.-Description	1.5ml Crimp Neck Vial, 32 x 11.6mm, clear glass, 1° hydrol. class, wide opening	1.5ml Crimp Neck Vial, 32 x 11.6mm, amber glass, 1° hydrol. class, wide opening, label + filling lines	1.5ml Crimp Neck Vial, 32 x 11.6mm, clear glass, 1° hydrol. class, wide opening, label + filling lines	1.1ml Microtiter Crimp Neck Vial ND11, 32 x 11.6mm, clear glass, 1° hydrol. class	Top Ser™ TPX Snap Ring Vial ND11, 32 x 11.6mm, with integrated 0.2ml Glass Micro-Insert	Top Ser™ TPX Snap Ring Vial ND11, 32 x 11.6mm, with integrated SILANIZED 0.2ml Glass Micro-Insert
LPP Packaging Unit	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box

1:1 Drawings	Short Thread ND9					
LPP Art.-No.	11 09 0500	11 09 0519	11 09 0520	11 09 1241	11 09 1242	11 09 0620 11 14 1189 11 09 0999 (11 14 1265)
See Agilent (HP) Art.-No.	5182-0714 (100) 5183-2067 (1000)	5182-0715 (100) 5183-2068 (1000)	5182-0716 (100) 5183-2069 (1000)	5183-2070	5183-2072	5183-2030
LPP Art.-Description	1.5ml Short Thread Vial, 32 x 11.6mm, clear glass, 1° hydrol. class, wide opening	1.5ml Short Thread Vial, 32 x 11.6mm, clear glass, wide opening, label + filling lines	1.5ml Short Thread Vial, 32 x 11.6mm, amber glass, 1° hydrol. class, wide opening, label + filling lines	SILANIZED Short Thread Vial, 1.5ml, 32 x 11.6mm, clear glass, 1° hydrol. class, wide opening	SILANIZED Short Thread Vial, 1.5ml, 32 x 11.6mm, amber glass, 1° hydrol. class, wide opening, label + filling lines	1.1ml Microtiter Short Thread Vial ND9, 32 x 11.6mm, clear glass, 1° hydrol. class Top Ser™ TPX Short Thread Vial ND9, 32 x 11.6mm, with integrated 0.2ml Glass Micro-Insert Short Thread Vial with integrated 0.2ml Micro-Insert, clear glass, 1° hydrol. class, label + filling lines
LPP Packaging Unit	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box

GC + GC/MS

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Consumables for Agilent (HP)

5880, 5890 (GCs)
6850, 6890 (GCs)
7673 A + 7683 A



MICRO-INSERTS FOR WIDE OPENING (Short Thread ND9, Crimp Neck ND11)

1:1 Drawings						
LPP Art.-No.	06 09 0357	06 09 0669	06 09 0866	06 09 0865	06 09 1343	06 09 1240
See Agilent (HP) Art.-No.	Alt. 5183-2085	5183-2085	5181-3377	5181-1270	5181-8872	
LPP Art.-Description	0.1ml Micro-Insert, 31 x 6mm, clear glass, 15mm top	0.1ml Micro-Insert, 31 x 6mm, clear glass, 12mm top	0.2ml Micro-Insert, 31 x 6mm, clear glass, flat bottom	0.1ml Micro-Insert, 29 x 5.7mm, clear glass, with assembled plastic spring	0.1ml Micro-Insert, 29 x 5.7mm, clear glass, with assembled plastic spring SILANIZED	0.1ml Micro-Insert, 31 x 6mm, clear glass, 15mm top SILANIZED
LPP Packaging Unit	10 x 100 pieces per PP-Box	10 x 100 pieces per PP-Box	10 x 100 pieces per PP-Box	10 x 100 pieces per PP-Box	10 x 100 pieces per PP-Box	10 x 100 pieces per PP-Box

Seals for Crimp Neck ND11 (with assembled Septa)

11 03 0209	5181-1210 (100); 5183-4498 (1000)	11mm Alu. Crimp Cap, clear lacquered, centre hole; Natural Rubber red-orange/TEF transp., 60° shore A, 1.0mm
11 03 0301	alt. 5181-1216	11mm Alu. Crimp Cap, green lacquered, centre hole; Natural Rubber red-orange/Butyl red/TEF transp., 45° shore A, 1.0mm
11 03 0302	alt. 5181-1217	11mm Alu. Crimp Cap, red lacquered, centre hole; Natural Rubber red-orange/Butyl red/TEF transp., 45° shore A, 1.0mm
11 03 0303	alt. 5181-1215	11mm Alu. Crimp Cap, blue lacquered, centre hole; Natural Rubber red-orange/Butyl red/TEF transp., 45° shore A, 1.0mm
11 03 0196	5181-1211 (100); 5183-4499 (1000)	11mm Alu. Crimp Cap, clear lacquered, centre hole; PTFE red/Silicone white/PTFE red, 45° shore A, 1.0mm
11 03 0247	5182-0552 (100); 5183-4500 (1000)	11mm Alu. Crimp Cap, clear lacquered, centre hole; UltraClean Silicone white/PTFE red, 45° shore A, 1.3mm
11 03 0407	5181-1212	11mm Alu. Crimp Cap, clear lacquered, centre hole; Viton 1A black, 70° shore A, 1.5mm
11 03 0339	5182-0871	11mm Alu. Crimp Cap, clear lacquered, centre hole, PTFE virginal, 53° shore D, 0.25mm with roll groove;

Further 11mm Aluminium Crimp Seals with different Septa or with Crimp Caps in different colours are available!

Packaging Unit: 100 pieces per PE-Bag

GC + GC/MS

9



Consumables for Agilent (HP)

5880, 5890 (GCs)
6850, 6890 (GCs)
7673 A + 7683 A



Short Thread Seals ND9 (with assembled Septa)

09 15 0982		9mm PP Short Thread Cap, blue, centre hole; PTFE virginal, 53° shore D, 0.2mm
09 15 0867	alt. 5182-0717	9mm PP Short Thread Cap, blue, centre hole; Natural Rubber red-orange/TEF transp., 60° shore A, 1.0mm
09 15 1176	alt. 5182-0719	9mm PP Short Thread Cap, red, centre hole; Natural Rubber red-orange/TEF transp., 60° shore A, 1.0mm
09 15 1570	alt. 5185-5838	9mm PP Short Thread Cap, black, centre hole; Natural Rubber red-orange/TEF transp., 60° shore A, 1.0mm
09 15 1356	alt. 5182-0718	9mm PP Short Thread Cap, green, centre hole; Natural Rubber red-orange/TEF transp., 60° shore A, 1.0mm
09 15 0838	5182-0720	9mm PP Short Thread Cap, blue, centre hole; UltraClean Silicone white/PTFE red, 55° shore A, 1.0mm
09 15 1178	5182-0722	9mm PP Short Thread Cap, red, centre hole; UltraClean Silicone white/PTFE red, 55° shore A, 1.0mm
09 15 1332	5182-0721	9mm PP Short Thread Cap, green, centre hole; UltraClean Silicone white/PTFE red, 55° shore A, 1.0mm
09 15 0868	5182-0723	9mm PP Short Thread Cap, blue, centre hole; PTFE red/Silicone white/PTFE red, 45° shore A, 1.0mm
09 15 1177	5182-0725	9mm PP Short Thread Cap, red, centre hole; PTFE red/Silicone white/PTFE red, 45° shore A, 1.0mm
09 15 1485	5182-0724	9mm PP Short Thread Cap, green, centre hole; PTFE red/Silicone white/PTFE red, 45° shore A, 1.0mm
09 15 0869	5183-2076	9mm PP Short Thread Cap, blue, centre hole; Silicone white/PTFE blue, with slit, 55° shore A, 1.0mm
09 15 1179	5183-2078	9mm PP Short Thread Cap, red, centre hole; Silicone white/PTFE blue, with slit, 55° shore A, 1.0mm
09 15 1.....	5183-2077	9mm PP Short Thread Cap, green, centre hole; Silicone white/PTFE blue, with slit, 55° shore A, 1.0mm
09 04 1533	5185-5823	9mm UltraBond™ Seal: PP Short Thread, blue, centre hole; Silicon white/PTFE beige, 45° shore A, 1.3mm
09 04 1534	5185-5824	9mm UltraBond™ Seal: PP Short Thread, blue, centre hole; Silicon white/PTFE beige, with slit, 45° shore A, 1.3mm

Further 9mm Short Thread Seals with different Septa resp. with red, transparent, green, yellow or black caps are available!

Packaging Unit: 100 pieces per PE-Bag

GC + GC/MS

10

Vial Racks

	12 21 1001 Alt. 9301-0722
	Vial Rack, Acrylic, (173 x 95 x 20mm), 50 cavities with a diameter of 12mm
	1 piece

Crimpers

	11 06 0006 11 07 0002 8710-0979 5181-1213
	11mm Crimper 11mm Decapper
	1 piece per PP-Box 1 piece per PP-Box

SCREW NECK ND13



Consumables for Agilent (HP)

5880, 5890 (GCs)
6850, 6890 (GCs)
7673 A + 7683 A



Upon request we can also supply vials with a barcode label!



Screw Neck ND13
Tray G2880A of 6850 Autosampler
Washer Bottles 7673 + 7683

LPP Art.-No.	13 09 0222	13 09 1335	13 09 0280	13 09 1336
See Agilent (HP) Art.-No.	5183-4448		5183-4450	
LPP Art.-Description	4ml Screw Neck Vial, 45 x 14.7mm, clear glass, 1" hydrol. class	4ml Screw Neck Vial, 45 x 14.7mm, clear glass, 1" hydrol. class, label + filling lines	4ml Screw Neck Vial, 45 x 14.7mm, amber glass, 1" hydrol. class	4ml Screw Neck Vial, 45 x 14.7mm, amber glass, 1" hydrol. class, label + filling lines
LPP Packaging Unit	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box

Screw Seals ND13, Caps and Septa

13 15 0815	5183-4464	13mm PP Screw Cap, black, centre hole;Silicone cream/PTFE red, 55° shore A, 1.5mm
13 08 0166	5183-4461	13mm PP Screw Cap, black, centre hole
13 08 0336		13mm PP Screw Cap, black, closed top
12 02 0143	5183-4460	12mm Septa: Silicone cream/PTFE red, 55° shore A, 1.5mm
12 02 0223	9301-1031	12mm Septa: Natural Rubber red-orange/TEF transparent, 60° shore A, 1.3mm
12 02 0168	5183-4459	12mm Septa: PTFE virginal, 53° shore D, 0.25mm

Further 13mm Screw Seals with different Septa resp. with closed top Screw Caps are available!

Packaging Unit Screw Seals: 100 pieces per PE-Bag
Packaging Unit Screw Caps: 100 pieces per PE-Bag
Packaging Unit Septa: 1000 pieces per PE-Bag

11

GC + GC/MS

Consumables for Agilent (HP)

5880, 5890 (GCs)
6850, 6890 (GCs)



Any combination of 1.5ml Vials with one of the appropriate Seals can be supplied as 2in1 KIT!



09 18 0936 For 5700 Serie + 5830/40 GCs 9.5mm Universal HT Injection Port Septa, Silicone transparent 25 pieces in an amber Screw Neck Vial	Comparable with: 5080-8728-50 (50) 5080-8728-100 (100)	02 17 0472 Universal Capillary Connector for 2 columns 10 pieces per PP-Box	
11 18 0938 For 5880, 5890, 6850, 6890 GCs 11mm Universal HT Injection Port Septa, Silicone transparent 25 pieces in an amber Screw Neck Vial	Comparable with: 5080-8896-50 (50) 5080-8894-100 (100)	02 17 0473 Universal Y-Kapillarverbinder für 3 Säulen 1 piece per PP-Box	

GC Injection Port Septa

Purge & Trap Consumables Agilent (HP)

Tekmar 3100
7695 A (Autosampler)



Vials ND24



GC

1:1 Drawings LPP Art.-No. 24 09 0402 See Agilent (HP) Art.-No. Alt. 5183-4524 LPP Art.-Description 40ml Screw Neck Vial, 95 x 27.5mm, clear glass, 1" hydrol. class, EPA LPP Packaging Unit 100 pieces per PP-Box	24 09 0928 40ml Screw Neck Vial, 95 x 27.5mm, amber glass, 1" hydrol. class, EPA 100 pieces per PP-Box	24 04 0842 24 04 0841 24 08 0403 24 08 0592 22 02 1108 5183-4744 5183-4743 (alt.)	24mm UltraBond-Seal: PP-Screw Cap, white, centre hole, Silicone white/PTFE beige, 45° shore A, 3.2mm 24mm UltraBond-Seal: PP-Screw Cap, white, closed top, Silicone white/PTFE beige, 45° shore A, 3.2mm 24mm PP-Screw Cap, white, centre hole 24mm PP-Screw Cap, white, closed top 22mm Septa, Silicone natural/PTFE beige, 45° shore A, 3.2mm, EPA-Quality Further 24mm Screw Seals with different Septa resp. other Septa are available! Packaging Unit Septa/Screw Caps: 100 pieces per PE-Bag Packaging Unit Septa: 1000 pieces per PE-Bag
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Screw Seals ND24, Caps and Septa

12



Consumables for Agilent (HP)

7694 (Autosampler)
G1888 A



1:1 Drawings

LPP Art.-No.	20 09 0795	20 09 0796	18 09 1307/18 09 1311
See Agilent (HP) Art.-No.	5182-0838	5182-0837	5188-2753 /
LPP Art.-Description	10ml Headspace-Vial, 46 x 22.5mm, clear glass, 1" hydrol. class, DIN Crimp Neck, long neck, flat bottom	20ml Headspace-Vial, 75 x 22.5mm, clear glass, 1" hydrol. class, DIN Crimp Neck, long neck, flat bottom	20ml Precision Thread Headspace-Flasche, 75 x 22.5mm, clear/amber glass, 1" hydrol. class, DIN Crimp Neck, long neck, rounded bottom
LPP Packaging Unit	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box

HS

As Headspace-Vials have to withstand high internal pressure, all illustrated vials have a wall thickness of 1.2mm. Thus it is guaranteed that the vial will not burst. Contrary to a widely spread opinion the seal - and not the vial - represents the weakest part of the whole system. Under pressure the septa will bulge against the Aluminium Cap with such a force that the cap is torn apart. By own testing we verified that e.g. our vials can easily withstand 10 bars or more, while the seal is torn apart around 10 bars when no pressure release system - like our Headspace Cap - is used.

20 06 0008	20 07 0004	24 21 1002
9301-0720	5181-1214	
20mm Crimper	20mm Decapper	Vial Rack, Acrylic (160 x 160 x 30mm), 25 cavities with a diameter of 24mm
1 piece per PP-Box	1 piece per PP-Box	1 piece

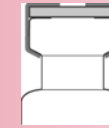
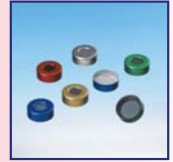
13

Consumables for Agilent (HP)

7694 (Autosampler)
G1888 A

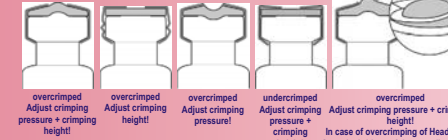


Any 20ml Headspace Vial can be obtained with an appropriate seal of your choice as a 2in1 KIT!



Correct Crimp

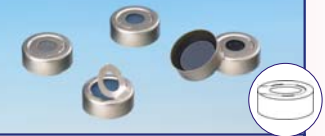
As the liners vary strongly in their total thicknesses, it is essential to use a crimper, that is adjustable in crimping height (screw up or down the inner part of the crimping head with a hexagon key) and in crimping pressure (Screw in the handle).



overcrimped Adjust crimping pressure + crimping height!
overcrimped Adjust crimping height!
overcrimped Adjust crimping pressure!
undercrimped Adjust crimping pressure + crimping height!
overcrimped Adjust crimping pressure + crimping height!

In case of overcrimping of Headspace-Caps the bridges of the scorelines suffer and may break open even at low internal pressure (less than 3 bars) or may even tear apart beside the scorelines.

Headspace-Caps



These caps have the function of a pressure release cap and are designed with special scorelines that break open at an internal vial pressure of 3.0 ± 0.5 bars, in order to release the excess pressure. Thus it is prevented that Septa and Cap are torn apart by too much internal pressure overstretching both components.

20 03 0901	20 03 0828	20 03 0030	20 03 0264	20 03 1489	20 03 1490	18 03 1414
5183-4477	5183-4478	5183-4479	5183-4480			5188-2759
20mm Combination Seal: Alu. Crimp Cap, plain, centre hole; Silicone white/PTFE beige, 45° shore A, 3.2mm	20mm Combination Seal: Headspace-Cap, clear lacquered; Silicone white/PTFE beige, 45° shore A, 3.2mm	20mm Combination Seal: Alu. Crimp Cap, plain, centre hole; Pharma-Fix-Septa, Butyl/PTFE, 50° shore A, 3.0mm	20mm Combination Seal: Headspace-Cap, clear lacquered; Pharma-Fix-Septa, Butyl/PTFE, 50° shore A, 3.0mm	UltraClean Closure™: 20mm Alu. Crimp Cap, plain, centre hole; Pharma-Fix-Septa, Silicone blue/PTFE grey, 45° shore A, 3.0mm	UltraClean Closure™: 20mm Headspace-Cap, clear lacquered; Pharma-Fix-Septa, Silicone blue/PTFE grey, 45° shore A, 3.0mm	UltraClean Closure™: 18mm magn. Screw Cap, silver, centre hole; Silicone white/PTFE beige, 55° shore A, 1.5mm
Packaging Unit: 100 pieces per PE-Bag						100 pieces per PE-Bag

HS

Septas + Crimp Caps ND20

20 02 0035	9301-0976	Pharma-Fix-Septa, Butyl/PTFE, 50° shore A, 3.0mm
20 02 0638	9301-0719	Silicone white/PTFE beige, 45° shore A, 3.2mm
20 02 1488		Pharma-Fix-Septa, Silicone blue/PTFE grey, 45° shore A, 3.0mm
20 10 0290	5183-4476	20mm Butyl stopper, grey
20 01 0408	9301-0721	20mm Aluminium Crimp Cap, plain, centre hole
Further 20mm Crimp Seals with different septa resp. Other septas upon request!		
Packaging Unit: Septas + Caps: 1000 pieces per PE-Bag		

Special La-Pha-Pack 2in1 KITS for AGILENT Headspace

HEADSPACE	
Article No. 2in1 KIT 20 33 1288 20 33 1618	Vial + Seal 20 09 0796 + 20 03 0030 20 09 0796 + 20 03 0901

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5042-1370		25 16 1587
5042-1392		25 16 1549
5061-3349	08 21 1000	
5065-4402	08 20 0897	
5080-8728-100 (100)	09 18 0936 (alt.)	
5080-8728-50 (50)	09 18 0936 (alt.)	
5080-8894-100 (100)	11 18 0938 (alt.)	
5080-8896-50 (50)	11 18 0938 (alt.)	
5180-0841	08 09 0276	
5180-0842	08 03 0249	
5180-0844	08 09 0606	
5181-0722	09 15 1178	
5181-1210 (100)	11 03 0209	
5181-1211 (100)	11 03 0196	
5181-1212	11 03 0407	
5181-1213	11 07 0002	
5181-1214	20 07 0004	
5181-1215	11 03 0303 (alt.)	
5181-1216	11 03 0301 (alt.)	
5181-1217	11 03 0302 (alt.)	
5181-1270	06 09 0865	
5181-3375 (100)	11 09 0356	
5181-3376 (100)	11 09 0477	
5181-3377	06 09 0866	
5181-3400 (500)	11 25 1053	
5181-8801 (500)	11 25 1097	
5181-8827	08 07 0001	
5181-8872	06 09 1343	
5182-0541	11 15 1151	
5182-0543 (100)	11 09 0476	
5182-0544 (100)	11 09 0627	
5182-0545 (100)	11 09 0645	
5182-0546 (100)	11 09 0644	
5182-0547 (500)	11 26 1059 (alt.)	
5182-0548 (500)	11 26 1444 (alt.)	
5182-0550	11 15 0635 (alt.)	
5182-0552 (100)	11 03 0247	
5182-0564 (500)	11 15 0635 (alt.)	
5182-0566	11 15 0636	
5182-0714 (100)	11 09 0500	
5182-0715 (100)	11 09 0519	
5182-0716 (100)	11 09 0520	
5182-0717	09 15 0867 (alt.)	
5182-0718	09 15 1356 (alt.)	
5182-0719	09 15 1176 (alt.)	
5182-0720	09 15 0838	
5182-0721	09 15 1332	
5182-0723	09 15 0868	
5182-0724	09 15 1485	
5182-0725	09 15 1177	
5182-0732 (500)	11 24 1049 (alt.)	
5182-0734 (500)	11 24 1050 (alt.)	

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5182-0736 (500)	11 24 1052 (alt.)	
5182-0837	20 09 0796	
5182-0838	20 09 0795	
5182-0868 (500)	11 24 1143 (alt.)	
5182-0869 (500)	11 24 1446 (alt.)	
5182-0871	11 03 0339	
5182-0876		20 09 0342 (alt.)
5182-3454	11 09 0619	
5182-3457	11 15 1555 (alt.)	
5182-3458	11 15 1267 (alt.)	
5182-3459	11 15 1323 (alt.)	
5183-2030	11 09 0620	
5183-2067 (1000)	11 09 0500	
5183-2068 (1000)	11 09 0519	
5183-2069 (1000)	11 09 0520	
5183-2070	11 09 1241	
5183-2072	11 09 1242	
5183-2076	09 15 0869	
5183-2077 (green)	09 15 1...	
5183-2078	09 15 1179	
5183-2079 (500)	11 24 1051 (alt.)	
5183-2080 (500)	11 24 1238 (alt.)	
5183-2085	06 09 0669 / 06 09 0357	
5183-2088		05 09 0968
5183-2089		05 09 0129
5183-2090 (flat)		05 09 0509 (alt. to flat)
5183-2094		40 09 0146
5183-2095		50 13 0147
5183-4428 (100)		11 09 0210
5183-4429 (100)		11 09 0259
5183-4430 (1000)		11 09 0210
5183-4431 (1000)		11 09 0259
5183-4434		08 02 0177
5183-4435		08 02 0039
5183-4436		08 02 0005
5183-4437		08 02 0103
5183-4438		08 08 0027
5183-4442		08 15 0293
5183-4446 (100)		11 23 1046 (alt.)
5183-4447 (100)		11 23 1098 (alt.)
5183-4448 (100)	13 09 0222	
5183-4450 (100)	13 09 0280	
5183-4452 (500)	13 09 0222	
5183-4453 (500)	13 09 0280	
5183-4458		15 14 0548
5183-4459	12 02 0168	
5183-4460	12 02 0143	
5183-4461	13 08 0166	
5183-4464	13 15 0815	
5183-4465 (500)		13 28 1068 (alt.)
5183-4467 (500)		13 28 1073 (alt.)
5183-4471		08 14 0513

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5183-4472		08 14 0595
5183-4474		20 09 0297
5183-4475		20 09 1405
5183-4476	20 10 0290	
5183-4477	20 03 0901	
5183-4478	20 03 0828	
5183-4479	20 03 0030	
5183-4480	20 03 0264	
5183-4481		08 09 0284
5183-4484		08 09 0305
5183-4485		08 09 0258
5183-4486		08 09 0405
5183-4487		08 09 0406
5183-4489	08 03 0451	
5183-4490	08 03 0113	
5183-4491 (1000)	11 09 0356	
5183-4492 (1000)	11 09 0476	
5183-4493 (1000)	11 09 0477	
5183-4498 (1000)	11 03 0209	
5183-4499 (1000)	11 03 0196	
5183-4500 (1000)	11 03 0247	
5183-4504 (1000)	11 09 0627	
5183-4505 (1000)	11 09 0644	
5183-4506 (1000)	11 09 0645	
5183-4511	11 15 0650	
5183-4524	24 09 0402	
5183-4743	22 02 1108 (alt.)	
5183-4744	24 08 0403	
5185-5821	11 09 0619 (alt.)	
5185-5823	09 04 1533	
5185-5824	09 04 1534	
5185-5830	25 16 0348	
5185-5831	25 16 0349	
5185-5832	25 16 0350	
5185-5833	25 16 0351	
5185-5834	25 16 0346	
5185-5835	25 16 0347	
5185-5838	09 15 1570	
5188-2753	18 09 1307	
5188-2759	18 03 1414	
5188-2788 (100)	11 19 0933	
8710-0979	11 06 0006	
8710-1643	08 06 0005	
9301-0719	20 02 0638	
9301-0720	20 06 0008	
9301-0721	20 01 0408	
9301-0722	12 21 1001 (alt.)	
9301-0976	20 02 0035	
9301-0977	11 14 1190	
9301-0978 (1000)	11 19 0933	
9301-1031	12 02 0223	
9301-1388	11 09 0921	

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