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Annex of Numerical Index

Article Number System

Our 8 digital article number comprises the following indications:

8mm Polypropylene Screw Cap black, 5.5mm centre hole

08 08 0027

Diameter in mm (08=Plastic Caps, no liner) Article Group Sequential Number

A list of our article groups is shown below

- 01 Metal Crimp and Screw Caps (no liner)
- 02 Septa
- 03 Assembled Seals of Metal Caps and Septa
- 04 UltraBond Seals
- 05 96 Position Blocks and Plates (empty)
- 06 Crimping Tools + crimping heads
- 07 Decapping Tools + decapping heads
- 08 Plastic Caps (no liner)
- 09 Glass Articles
- 10 Stoppers
- 11 Flip Top/Flip Off Seals (only on special request)
- 12 Flip Tear Up Seals (only on special request)
- 13 Springs
- 14 Combination of glass and plastic articles
- 15 Assembled Seals of Plastic Caps and Septa
- 16 Syringe Filters
- 17 Capillary Connectors
- 18 GC Injection Port Septa
- 19 Plastic Vials
- 20 96 Position Blocks and Plates filled with suitable Inserts + Seals
or with Inserts + Block Covers
- 21 Vial Racks
- 23 2in1 KITs 1.5ml Screw Neck ND8
- 24 2in1 KITs 1.5ml Short Thread ND9
- 25 2in1 KITs 1.5ml Crimp Neck ND11
- 26 2in1 KITs 1.5ml Snap Ring ND11
- 27 2in1 KITs 1ml, 2ml and 4ml Shell Vials
- 28 2in1 KITs 4ml Screw Neck ND13
- 29 Block Covers (Sealmat)
- 31 Combination of glass and metal articles (already crimped vials)
- 32 2in1 KITs 1.5ml Screw Neck ND10
- 33 2in1 KITs 20ml Headspace ND20 + ND18
- 34 Plastic-/plastic combinations
- 44 Assembly (tolling)
- 99 Others

Application:

HPLC

GC

HS

TOC

Instrument Company Agilent		Agilent 1050	Agilent 1050 (34 Pos. Tray)	Agilent 1090	Agilent 1090 (34 Pos. Tray)	Agilent 1100	Agilent 1200	Agilent Z9855(A)	CTC HTS+HTC PAL	Agilent 5880	Agilent 5890	Agilent 6850 27 Pos. Tray	Agilent 6850 22 Pos. Tray	Agilent 7673A	Agilent 7683A	CTC GC PAL	CTC Combi PAL	Agilent G1888A	Agilent HS7694	Agilent 7695A	Tekmar SOLATEk 72	Tekmar AQUATEk 70
Crimp Neck Vials ND8 and Seals																						
08 09 0276/08 09 0606	ch. 1/p. 18		X	X				X						X	X	X						
08 09 0305/08 09 0258	ch. 1/p. 18							X								X						
08 09 0405/08 09 0406	ch. 1/p. 18																					
08 09 1080	ch. 1/p. 18													X	X							
08 03 0451/08 03 2042/08 03 0249/08 03 0113	ch. 1/p. 19		X	X				X						X	X	X						
96 Pos. Block Systems																						
08 20 0897	ch. 13/p. 49				X	X		X														
Crimp Neck Vials ND11, Micro-Inserts and Seals																						
11 09 0356/11 09 0476/11 09 0477/11 09 0619/11 09 0921/11 09 1956/11 14 1190/11 14 1656	ch. 5/p. 29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
06 09 0669/06 09 0866/06 09 0865/06 09 1343	ch. 5/p. 29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
11 03 0209/11 03 0301/11 03 0302/11 03 0303/11 03 0304	ch. 5/p. 30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
11 03 1875/11 03 1984/11 03 1985/11 03 1986/11 03 1987	ch. 5/p. 30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
11 03 0247/11 03 0196	ch. 5/p. 30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
11 03 0318/11 03 0332	ch. 5/p. 31															X						
Short Thread Vials ND9, Micro-Inserts and Seals																						
11 09 0500/11 09 0519/11 09 0520/11 09 0620/11 09 0999/11 14 1189/11 14 1655	ch. 3/p. 23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
06 09 0669/06 09 0866/06 09 0865/06 09 1343	ch. 3/p. 23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
09 15 1907	ch. 3/p. 25															X						
09 15 0867/09 15 1819 (also available with caps in other colours)	ch. 3/p. 24-25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
09 15 2021/09 15 2016/09 15 0869/09 04 1534	ch. 3/p. 24-26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
09 15 0838/09 15 0868/09 04 1533 (also available with caps in other colours)	ch. 3/p. 24-26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
Snap Ring Vials ND11, Micro-Inserts and Seals																						
11 09 0627/11 09 0644/11 09 0645/11 14 1190/11 14 1656	ch. 6/p. 32	X	X	X	X	X	X	X	X													
06 09 0669/06 09 0866/06 09 0865/06 09 1343	ch. 6/p. 32	X	X	X	X	X	X	X	X													
11 15 1267/11 15 1856/11 15 1817/11 08 1676	ch. 6/p. 33	X	X	X	X	X	X	X	X													
11 15 1269/11 15 1858/11 15 2047/11 15 2048	ch. 6/p. 33	X	X	X	X	X	X	X	X													
11 15 1151/11 15 1854/11 15 1268/11 15 1857	ch. 6/p. 33	X	X	X	X	X	X	X	X													
Screw Neck Vials and Seals ND13																						
13 09 0222/13 09 0280/13 09 1335/13 09 1336	ch. 8/p. 35											X					X	X				
13 15 0815/13 15 0456	ch. 8/p. 35											X					X	X				
Headspace Vials and Seals ND20/ND18																						
20 09 0795/20 09 0796	ch. 10/p. 40-41																X	X				
20 03 0901/20 03 0828/20 03 0303/20 03 0264	ch. 10/p. 40-43																X	X				
20 09 1405/20 09 1691/20 09 0873/20 09 1690	ch. 10/p. 40-41																X					
20 03 0975/20 03 1536	ch. 10/p. 40-43																X					
18 09 1307/18 09 1311/18 09 1306/18 09 1310	ch. 10/p. 40-41																X	X				
18 03 1414	ch. 10/p. 40-44																X	X				
Screw Neck Vials ND24 and Seals																						
24 09 0402/24 09 0928	ch. 12/p. 47																			X	X	X
24 04 0842/24 04 0841	ch. 12/p. 48																			X	X	X
24 15 1163/24 15 1540	ch. 12/p. 48																			X	X	X
24 08 0403/24 08 0592	ch. 12/p. 48																			X	X	X
22 02 1108	ch. 12/p. 48																			X	X	X

Instrument Company CTC		LC PAL (21.6 Pos)	HTX PAL (200 Pos. Tray)/ HTS PAL (200 Pos. Tray)/ HTC PAL (200 Pos. Tray)	HTX PAL (54/98 Pos. Tray)/HTS PAL (54/98 Pos. Tray)/HTC PAL (54/98 Pos. Tray)	HTX PAL (32 Pos. Tray)/ HTS PAL (32 Pos. Tray)/ HTC PAL (32 Pos. Tray)	A 200 LC	COMBI PAL (200 Pos. Tray) GC PAL (200 Pos. Tray)	COMBI PAL (98 Pos. Tray) GC PAL (98 Pos. Tray)	COMBI PAL SPME mode (98 Pos. Tray)	A 200 S	COMBI PAL (32 Pos. Tray) GC PAL (32 Pos. Tray)	COMBI PAL SPME mode (32 Pos. Tray)	HS 500
Crimp Neck Vials ND8 and Seals													
08 09 0276/08 09 0606	ch. 1/p. 18			X			X	X		X			
08 09 0405/08 09 0406/ 08 09 0305/08 09 0258	ch. 1/p. 18		X				X	X		X			
08 03 0249/08 03 0113	ch. 1/p. 19		X				X	X		X			
Crimp Neck Vials ND11, Micro-Inserts and Seals													
11 09 0356/11 09 0476/ 11 09 0477/11 09 0619/ 11 09 0415/11 09 0921/ 11 09 1956	ch. 5/p. 29	X		X			X	X	X	X			
06 09 0357/06 09 0669/ 06 09 0866/06 09 0865	ch. 5/p. 29	X		X			X	X	X	X			
11 03 0247/11 03 0196	ch. 5/p. 30	X		X			X			X			
11 03 0318/11 03 0332	ch. 5/p. 31							X	X				
Screw Neck Vials ND8, Micro-Inserts and Seals													
11 09 0210/11 09 0259/ 11 09 0419/11 09 0382/ 11 09 0417	ch. 2/p. 20	X		X			X			X			
05 09 0129/05 09 0269/ 05 09 1674/05 09 0968	ch. 2/p. 20	X		X			X			X			
08 15 0293/08 15 0294/ 08 15 1449	ch. 2/p. 21	X		X			X			X			
Short Thread Vials ND9, Micro-Inserts and Seals													
11 09 0500/11 09 0519/ 11 09 0520/11 09 0620/ 11 14 1189/11 14 1655/ 11 09 0999/11 09 1957	ch. 3/p. 23	X		X			X	X	X	X			
06 09 0357/06 09 0669/ 06 09 0866/06 09 0865	ch. 3/p. 23	X		X			X	X	X	X			
11 19 1205/11 19 1516/ 11 19 0932/11 19 1216/ 11 19 1021/11 19 1706	ch. 3/p. 24	X		X			X						
09 15 1907	ch. 3/p. 25							X	X				
09 15 2021/09 15 2016	ch. 3/p. 24	X		X			X						
09 15 0481/09 15 0838/ 09 15 1178/09 15 1572/ 09 15 0480/09 15 0868/ 09 15 1177/09 15 1571/ (also available with caps in other colours)	ch. 3/p. 24-25	X		X			X			X			
09 15 0852/09 15 0869/ 09 15 1179/09 15 1669/ (also available with caps in other colours)	ch. 3/p. 24-25	X		X			X						
09 08 2000	ch. 3/p. 26							X					
Screw Neck Vials ND10, Micro-Inserts and Seals													
10 09 0743/10 09 1196/ 10 09 1197	ch. 4/p. 28	X		X			X			X			
06 09 0357/06 09 0669/ 06 09 0866/06 09 0865	ch. 4/p. 28	X		X			X			X			
10 15 1257/10 15 1328/ 10 15 1258	ch. 4/p. 28	X		X			X			X			
Snap Ring Vials ND11, Micro-Inserts and Seals													
11 09 0627/11 09 0644/ 11 09 0645/11 14 1190/ 11 14 1656/	ch. 6/p. 32	X		X			X						
11 19 0933/11 19 1217/ 11 19 1022/11 19 1707	ch. 7/p. 34	X		X			X						
06 09 0357/06 09 0669/ 06 09 0866/06 09 0865	ch. 6/p. 32	X		X			X						
11 08 1676	ch. 6/p. 33	X		X			X						
11 15 2045/11 15 2046/ 11 15 2047/11 15 2048	ch. 6/p. 33	X		X			X						
11 15 0637/11 15 0636/ 11 15 0650/11 15 1852/ 11 15 1851/11 15 1853/ 11 15 1151/11 15 1268/ 11 15 1269/11 15 1854/ 11 15 1857/11 15 1858/ (also available with caps in other colours)	ch. 6/p. 33	X		X			X						
Headspace Vials and Seals ND20/ND18													
20 09 1405/20 09 1691/ 20 09 0873/20 09 1690	ch. 10/p. 40-41										X		X
20 03 0975/20 03 1536	ch. 10/p. 40-41, 43										X		
20 03 0665	ch. 10/p. 43												X
18 09 1307/18 09 1311/ 18 09 1306/18 09 1310	ch. 10/p. 40-41, 44				X						X		
18 03 1578/18 03 1309/ 18 03 1414/18 03 1416	ch. 10/p. 44				X						X		
Vials and Seals ND20/ND18 only for SPME													
18 09 1307/18 09 1311/ 18 09 1306/18 09 1310	ch. 10/p. 40-41											X	
18 03 2063	ch. 10/p. 40-41, 44											X	
18 03 1578/18 03 1309/ 18 03 1414	ch. 10/p. 40-41, 44											X	
20 09 1222	ch. 10/p. 40											X	
20 03 1246/20 03 1264	ch. 10/p. 40-41, 43											X	
Wash Vials ND20 and Seals													
20 09 1822	ch. 20/p. 61	X	X	X	X		X	X	X		X	X	
22 15 1869	ch. 10/p. 44	X	X	X	X		X	X	X		X	X	
22 15 1824	ch. 10/p. 44	X	X	X	X		X	X	X		X	X	
20 09 1405	ch. 10/p. 40-41						X	X	X	X	X	X	X
22 15 1334	ch. 10/p. 44						X	X	X	X	X	X	

Application:

HPLC

GC

HS

TOC

Instrument Company
PerkinElmer

Instrument Company PerkinElmer			Series 200, 25 vial tray	Series 200, 85 vial tray	Series 200, 81/100 vial tray	Series 200, 205 vial tray	Series 200, 225 vial tray	AS2000/AS2000B	ISS-100, 100 vial tray	ISS-100, 85 vial tray	ISS-200, 145 vial tray	ISS-200, 100 vial tray	ISS-200, 85 vial tray	ISS-225, 205 vial tray	ISS-225, 100 vial tray + 80 vial tray	ISS-225, 85 vial tray	ISS-225, 25 vial tray	IC 600, 42 vial tray	IC 600, 60 vial tray	Integral 4000	AL-1	AS-100/AS-100B	AS-300	AS8300	AuSystem	Clarus 400	Clarus 500	Clarus 600	HS6	HS40/HS100/HS101	TurboMatrix™ HS16/HS40/HS40XL/HS40 Trap/HS110/HS110	
Crimp Neck Vials ND8 and Seals																																
08 09 0284	ch. 1/p. 18							X										X				X	X	X	X							
08 09 1080	ch. 1/p. 18							X														X	X	X	X							
08 09 0276	ch. 1/p. 18						X	X			X											X	X	X	X							
08 03 0268/08 08 1675	ch. 1/p. 19						X	X	X		X				X			X				X										
08 03 1935/08 03 2042/08 03 0249/08 03 0113	ch. 1/p. 19						X	X	X		X				X			X				X	X	X	X							
09 15 0753/09 15 0756	ch. 1/p. 19							X	X	X		X			X			X				X										
Crimp Neck Vials ND11, Micro-Inserts and Seals																																
11 09 0356/11 09 0476/11 09 0477/11 09 0921/11 09 1956	ch. 5/p. 29		X	X	X		X	X	X		X	X	X	X	X	X		X	X		X	X	X	X	X	X	X	X	X			
06 09 0357/06 09 0669/06 09 0866/06 09 0865	ch. 5/p. 29		X	X	X		X	X	X		X	X	X	X	X	X		X	X		X	X	X	X	X	X	X	X	X			
11 09 0184	ch. 5/p. 30		X	X	X		X	X	X		X	X	X	X	X	X		X	X		X	X	X	X	X	X	X	X	X			
11 03 0209/11 03 0300/11 03 0301/11 03 0302/11 03 0303/11 03 1641/11 03 0247	ch. 5/p. 30-31		X	X	X		X	X	X		X	X	X	X	X	X		X	X		X	X	X	X	X	X	X	X	X			
11 03 1875/11 03 1984/11 03 1985/11 03 1986/11 03 1987	ch. 5/p. 30		X	X	X		X	X	X		X	X	X	X	X	X		X	X		X	X	X	X	X	X	X	X	X			
11 03 0339/11 08 1676	ch. 5/p. 31		X	X	X		X	X	X		X	X	X	X	X	X		X	X		X	X	X	X	X	X	X	X	X			
11 03 0720	ch. 5/p. 31																				X	X	X	X	X	X	X	X	X			
Screw Neck Vials ND10 and Seals																																
10 09 0743/10 09 1196/10 09 1197	ch. 4/p. 28		X	X	X		X	X	X		X	X	X	X	X	X		X	X		X	X										
10 15 1256/10 15 1257/10 15 0744	ch. 4/p. 28		X	X	X		X	X	X		X	X	X	X	X	X		X	X		X	X										
10 15 1328	ch. 4/p. 28		X	X	X		X	X	X		X	X	X	X	X	X		X	X		X	X										
Headspace Vials and Seals ND20/ND18																																
20 09 0342	ch. 10/p. 41	X	X						X		X				X	X													X	X	X**	
22 15 0321/22 15 1697/22 15 0712	ch. 10/p. 44	X	X						X		X				X	X																
20 03 0142/20 03 0901	ch. 10/p. 40-43	X	X						X		X				X	X																
20 09 0297/20 09 0440/20 09 1223	ch. 10/p. 41																															
20 03 0126/20 03 0112/20 03 0264/20 03 0326/20 03 0163/20 03 0828	ch. 10/p. 40-43																												X	X	X	
20 03 0127/20 03 0059/20 03 0030/20 03 0327/20 03 0142/20 03 0901	ch. 10/p. 40-43																												X	X	X	
20 01 0408 + 20 10 0290	ch. 10/p. 44																												X	X	X	
18 09 1307/18 09 1311	ch. 10/p. 41																														X*	
18 03 1416/18 03 1309	ch. 10/p. 44																														X*	
18 09 0864	ch. 10/p. 42																												X	X	X	
18 15 0871	ch. 10/p. 45																												X	X	X	
X*: For TurboMatrix™ 16, 40 and 110, manufactured after 01.09.2006																																
X**: Not suitable for TurboMatrix™ 110																																

X*: For TurboMatrix™ 16, 40 and 110, manufactured after 01.09.2006

X**: Not suitable for TurboMatrix™ 110

Instrument Company
Dionex

		Gina 50	AS 50	Summit ASI 100, Micro-Tray (192 Pos.)	Summit ASI 100, Analytical-Tray (117 Pos.)	Summit ASI 100, Semiprep.-Tray (63 Pos.)	Famos (LC Packings/Dionex)	UltiMate Analytical, cylindrical WPS-3000 SL, 120 (3x40) Pos. Rack (2ml)	UltiMate Analytical, conical WPS-3000 SL, 120 (3 x 40) Pos. Rack (1.1ml = 2ml w. Inserts)	UltiMate Micro conical WPS-3000 SL, 120 (3 x 40) Pos. Rack (250µl)	UltiMate Semiprepative WPS-3000 SL, 66 (3 x 22) Pos. Rack (4ml)	UltiMate Nano/Cap/Micro WPS-3000 SL, 216 (3 x 72) Pos. Rack (1.2ml)	ASE 200
Crimp Neck Vials ND8 and Seals													
08 09 0845/08 09 0953	ch. 1/p. 18	X		X								X	
08 09 0276/08 09 0606	ch. 1/p. 18		X							X			
08 03 0242/08 03 0884/08 03 0599/08 03 0249	ch. 1/p. 19	X	X	X						X		X	
Crimp Neck Vials ND11 and Seals													
11 09 0356/11 09 0476/11 09 0477/11 09 0619/11 09 0921/11 09 1956/11 14 1190/11 14 1656	ch. 5/p. 29	X			X		X	X					
11 09 0415	ch. 5/p. 29								X				
11 03 0300/11 03 0247	ch. 5/p. 30	X			X		X	X	X				
11 03 0464	ch. 5/p. 30	X			X		X	X	X				
Screw Neck Vials ND8 and Seals													
11 09 0210/11 09 0259/11 09 0419/11 09 0382	ch. 2/p. 20		X		X		X	X					
11 09 0417	ch. 2/p. 20								X				
08 15 0293/08 15 0709/08 15 0886	ch. 2/p. 21				X		X	X	X				
08 15 1449	ch. 2/p. 21	X	X		X		X	X	X				
Short Thread Vials ND9 and Seals													
11 09 0500/11 09 0519/11 09 0520/11 14 1189/11 14 1655/11 09 0999/11 09 1957/11 09 0620	ch. 3/p. 23	X	X		X		X	X					
11 19 1205/11 19 1516/11 19 0932/11 19 1216/11 19 1706	ch. 3/p. 24	X	X		X		X	X					
09 15 0838/09 04 1533	ch. 3/p. 24-26	X			X		X	X					
09 15 0869/09 04 1534/09 15 2016	ch. 3/p. 24-26	X	X		X		X	X					
Screw Neck Vials ND10 and Seals													
10 09 0743/10 09 1196/10 09 1197	ch. 4/p. 28		X				X	X					
10 15 1257/10 15 1328	ch. 4/p. 28		X				X	X					
Snap Ring Vials ND11 and Seals													
11 09 0627/11 09 0644/11 09 0645/11 14 1190/11 14 1656	ch. 6/p. 32	X	X		X		X	X					
11 19 0933/11 19 1217/11 19 1707	ch. 7/p. 34												
11 15 1151/11 15 1854	ch. 6/p. 33	X			X		X	X					
11 15 1269/11 15 1858/11 15 2047/11 15 2048	ch. 6/p. 33	X	X		X		X	X					
Screw Neck Vials ND13 and Seals													
13 09 0222/13 09 1335/13 09 0280/13 09 1336	ch. 8/p. 35	X				X					X		
13 15 0815/13 15 1293	ch. 8/p. 35	X				X					X		
Crimp Neck Vials ND20 and Seals													
20 09 1405/20 09 1691	ch. 10/p. 40-41						X	X	X	X	X	X	
20 03 0142/22 15 1334/22 15 1869	ch. 10/p. 40-44						X	X	X	X	X	X	
Screw Neck Vials ND24 and Seals													
24 09 0402/24 09 0928	ch. 12/p. 47												X
24 09 1089/24 09 1090	ch. 12/p. 47												X
24 04 0842/24 04 0841	ch. 12/p. 48												X
24 15 1163/24 15 1540	ch. 12/p. 48												X
24 08 0403/24 08 0592	ch. 12/p. 48												X
22 02 1108	ch. 12/p. 48												X

Application:

HPLC

GC

HS

TOC

Instrument Company
Spark

		Marathon Basic, Standard 96 Pos. Tray	Marathon Basic Prep, King Size 48 Pos. Tray	Midas, Standard 84 Pos. Tray	Midas, Large Capacity 96 Pos. Tray	Midas, Large Volume 24 Pos. Tray	Triathlon, Standard 96 Pos. Tray	Triathlon, LSV 72 Pos. Tray	Triathlon, Super-LSV 32 Pos. Tray	Triathlon, Micro 160 Pos. Tray	Endurance 48 Pos. Tray	Reliance 48 Pos. Tray	Promis	SPH 125
Crimp Neck Vials ND8 and Seals														
08 09 0405/08 09 0406/08 09 0305/08 09 0258/08 09 1080	ch. 1/p. 18									X				
08 03 0451/08 03 1935/08 03 2042/08 03 0884/08 03 0599/08 03 0249/08 03 0113/08 08 1675	ch. 1/p. 19									X				
Crimp Neck Vials ND11, Micro-Inserts and Seals														
11 09 0831	ch. 5/p. 30			X	X		X							
11 09 0415	ch. 5/p. 29	X	X	X	X		X				X	X	X	X
11 09 0356/11 09 0476/11 09 0477/11 09 0619/11 09 0921/11 09 1956/11 14 1190/11 14 1656	ch. 5/p. 29	X	X	X	X		X				X	X	X	X
06 09 0357/06 09 0669	ch. 5/p. 29	X	X	X	X		X				X	X	X	X
11 03 0209/11 03 0300/11 03 0900/11 03 1875/11 03 0885/11 03 0588/11 03 0247/11 03 0196/11 08 1676	ch. 5/p. 30-31	X		X	X		X				X	X	X	X
Screw Neck Vials ND8, Micro-Inserts and Seals														
11 09 0417	ch. 2/p. 20	X		X	X		X				X	X	X	
11 09 0210/11 09 0259/11 09 0419/11 09 0382	ch. 2/p. 20	X		X	X		X				X	X	X	
05 09 0129/05 09 0269	ch. 2/p. 20	X		X	X		X				X	X	X	
08 15 0460/08 15 1965/08 15 0293/08 15 0294/08 15 0709/08 15 0886	ch. 2/p. 21	X		X	X		X				X	X	X	
Short Thread Vials ND9, Micro-Inserts and Seals														
11 09 0500/11 09 0519/11 09 0520/11 09 0620/11 14 1189/11 14 1655/11 09 0999/11 09 1957	ch. 3/p. 23	X		X	X		X				X	X	X	X
06 09 0357/06 09 0669	ch. 3/p. 23	X		X	X		X				X	X	X	X
11 19 1205/11 19 1516/11 19 0932/11 19 1216/11 19 1706	ch. 3/p. 24	X		X	X		X				X	X	X	X
09 15 0982/09 15 0867/09 15 1819/09 15 0838/09 15 0868/09 15 0869/09 15 2016 (also available with caps in other colours)	ch. 3/p. 24-25	X		X	X		X				X	X	X	X
Snap Ring Vials ND11, Micro-Inserts and Seals														
11 09 0627/11 09 0644/11 09 0645/11 14 1190/11 14 1656	ch. 6/p. 32	X		X	X		X				X	X	X	X
11 19 0933/11 19 1217/11 19 1707	ch. 7/p. 34	X		X	X		X				X	X	X	X
06 09 0357/06 09 0669	ch. 6/p. 32	X		X	X		X				X	X	X	X
11 15 1267/11 15 1856/11 15 1817/11 15 1151/11 15 1854/11 15 1268/11 15 1857/11 15 1269/11 15 1858/11 15 2047/11 15 2048 (also available with caps in other colours)	ch. 6/p. 33	X		X	X		X				X	X	X	X
Shell Vials ND11 with Plugs and Micro-Insert														
11 14 0544/11 14 0545/06 09 0357	ch. 9/p. 38						X							
Screw Neck Vials ND13, Micro-Insert and Seals														
13 09 0222/13 09 1335/13 09 0280/13 09 1336	ch. 8/p. 35							X						
40 09 0146 + 50 13 0147	ch. 8/p. 35							X						
13 15 0456/13 15 0815/13 15 1293/13 15 0292	ch. 8/p. 35							X						
Headspace Vials and Seals ND20/ND18														
20 09 1405/20 09 1691	ch. 10/p. 40			X		X			X					
20 09 0342	ch. 10/p. 41		X						X					
20 03 0059/20 03 0030	ch. 10/p. 40-43		X						X					
20 03 0142/20 03 0901	ch. 10/p. 40-43		X	X		X			X					
Possibly 08 09 0276/08 09 0606 can be used in combination with 50 13 0147 in 4ml Screw Neck Vials with appropriate Screw Seals in Triathlon, LSV 72 Pos. Tray.														

Instrument Company
Waters®

		Waters® Wisp 48 Position	Waters® Wisp 96 Position	Waters® 717 96 Position Carousel	Waters® 717 48 Position Carousel	Alliance® GPC 2000	Alliance®	Alliance® HT System	Acquity UPLCTM System	Alliance® 2690/2695	Alliance® 2790/2795
Crimp Neck Vials ND11, Micro-Inserts and Seals											
11 09 0356/11 09 0476/11 09 0477/11 09 0619*/11 14 1190/11 14 1656/11 09 0921/11 09 1956	ch. 5/p. 29						X			X	X
06 09 0865/06 09 1343	ch. 5/p. 29						X			X	X
11 03 0247/11 03 0196	ch. 5/p. 30						X			X	X
Short Thread Vials ND9, Micro-Inserts and Seals											
11 09 0500/11 09 0519/11 09 0520/11 09 1241/11 09 1242/11 09 0620*/11 14 1189/11 14 1655/11 09 0999/11 09 1957	ch. 3/p. 23						X		X	X	X
11 19 1205/11 19 1516/11 19 1706/11 19 0932/11 19 1216/11 19 1021	ch. 3/p. 24						X		X	X	X
06 09 0865/06 09 1343	ch. 3/p. 23						X		X	X	X
09 15 2016	ch. 3/p. 24						X		X	X	X
09 15 0838/09 15 0869/09 15 1178/09 15 1179/09 15 1572/09 15 1669/09 15 1332/09 15 1746	ch. 3/p. 24-25						X		X	X	X
09 04 1220/09 04 1533/09 04 1534	ch. 3/p. 26						X		X	X	X
Screw Neck Vials ND10, Micro-Inserts and Seals											
10 09 0743/10 09 1196/10 09 1197	ch. 4/p. 28						X			X	X
06 09 0865/06 09 1343	ch. 4/p. 28						X			X	X
10 15 1257/10 15 0744/10 15 1328	ch. 4/p. 28						X			X	X
Snap Ring Vials ND11, Micro-Inserts and Seals											
11 09 0627/11 09 0644/11 09 0645/11 14 1190/11 14 1656	ch. 6/p. 32						X			X	X
11 19 0933/11 19 1217/11 19 1022/11 19 1707	ch. 7/p. 34						X			X	X
06 09 0865/06 09 1343	ch. 6/p. 32						X			X	X
11 15 2047/11 15 2048	ch. 6/p. 33						X			X	X
11 15 1151/11 15 1854/11 15 1269/11 15 1325/11 15 1326/11 08 1676	ch. 6/p. 33						X			X	X
Shell Vials ND8 with PEPlug and Micro-Insert											
08 14 1168/08 14 1169	ch. 9/p. 37		X	X							
08 14 0513/08 14 0595/05 09 0706 (only recommendable, if a Micro-Insert is used)	ch. 9/p. 37		X	X							
Shell Vials ND15 with PEPlug and Micro-Insert											
15 14 0548/15 14 0562	ch. 9/p. 37	X			X						
Screw Neck Vials ND13, Micro-Insert and Seals											
13 09 0222/13 09 1335/13 09 0280/13 09 1336	ch. 8/p. 35	X			X	X			X**		
40 09 0146 + 50 13 0147	ch. 8/p. 35	X			X				X**		
13 15 0815 + 13 15 1293	ch. 8/p. 35	X			X	X			X**		
13 08 0166 + 12 02 0168	ch. 8/p. 36	X			X	X			X**		
Crimp Neck Vials ND20 and Seals											
20 09 1405/20 03 0142/20 03 0901	ch. 10/p. 40-43					X					
*: not for Alliance® 2690/2695											
X**: for 24 Position Plate											

Application:

HPLC

GC

HS

TOC

Instrument Company Shimadzu			LC2010C + LC2010A 350 Pos. Tray	LC2010C + LC2010A 140 Pos. Tray	LC2010C + LC2010A 100 Pos. Tray	SIL-2AS	SIL-6A	SIL-6B/SIL-7A/SIL-8A/ SIL-9A	SIL-10A/SIL-10AF/SIL- 10AP/SIL-10AL/SIL-10AXL; Rack S 100 Pos.	SIL-10A/SIL-10AF/SIL- 10AP/SIL-10AL/SIL-10AXL; Rack L 80 Pos.	SIL-10ADp	SIL-10HTA / SIL-10HTC 350 Pos. Tray	SIL-10HTA / SIL-10HTC 140 Pos. Tray	SIL-10HTA / SIL-10HTC 100 Pos. Tray	SIL-20A (Prominence) 105 vial tray/SIL-20AC (Prominence) 70 vial tray	SIL-20A/SIL-20AC (Promi- nence) 175 vial tray	SIL-20A/SIL-20AC (Promi- nence) 50 vial tray	AOC-20/AOC20/ AOC-20s 150 Pos. Tray	AOC-20/AOC20/ AOC-20s 96 Pos. Tray	AOC-17	AOC-14 / 1400	AOC-5000	HT200H	AOC-5000	ASV	
Crimp Neck Vials ND8 and Seals																										
08 09 0276/08 09 0606	ch. 1/p. 18					X	X		X							X										
08 09 0305/08 09 0258/08 09 0405/08 09 0406	ch. 1/p. 18																									
08 03 0884/08 03 0249/08 03 0113/08 03 1156/ 08 08 1675 (HPLC only)	ch. 1/p. 19					X	X		X							X										
Crimp Neck Vials ND11, Micro-Inserts and Seals																										
11 09 0356/11 09 0476/11 09 0477/	ch. 5/p. 29		X		X	X	X	X	X			X		X		X			X	X	X	X				
11 09 0415/11 09 0921/11 09 1956/11 09 0619/ 11 14 1190/11 14 1656	ch. 5/p. 29		X		X	X	X	X	X			X		X		X			X	X	X	X				
06 09 0357/06 09 0669/06 09 0865/06 09 0866	ch. 5/p. 29		X		X	X	X	X	X			X		X		X			X	X	X	X				
11 03 0300/11 03 0885/11 03 0588/11 03 0247/ 11 03 0464/11 03 0339/11 08 1676 (HPLC only)	ch. 5/p. 30-31		X		X	X	X	X	X			X		X		X			X	X	X	X				
11 03 0318/11 03 0332	ch. 5/p. 31																					X				
Screw Neck Vials ND8 and Micro-Inserts																										
11 09 0210/11 09 0259/11 09 0419/11 09 0382/ 11 09 0417	ch. 2/p. 20		X		X	X	X	X	X			X		X		X			X	X	X	X				
05 09 0129/05 09 0269/05 09 0968/05 09 1674	ch. 2/p. 20		X		X	X	X	X	X			X		X		X			X	X	X	X				
Short Thread Vials ND9, Micro-Inserts and Seals																										
11 09 0500/11 09 0519/11 09 0520	ch. 3/p. 23		X		X	X	X	X	X			X		X		X			X	X	X	X				
11 14 1189/11 14 1655/11 09 0999/11 09 1957/ 11 09 0620	ch. 3/p. 23		X		X	X	X	X	X			X		X		X			X	X	X	X				
06 09 0357/06 09 0669/06 09 0865/06 09 0866	ch. 3/p. 23		X		X	X	X	X	X			X		X		X			X	X	X	X				
09 15 1907	ch. 3/p. 25																					X				
11 19 1205/11 19 1516/11 19 0932/11 19 1216	ch. 3/p. 24		X		X	X	X	X	X			X		X		X										
09 15 0838/09 15 1178/09 15 1332/09 15 1572/ 09 15 1527	ch. 3/p. 24-25		X		X	X	X	X	X			X		X		X			X	X	X					
09 15 0869/09 15 1179/09 15 1746/09 15 1669/ 09 15 1745/09 04 1534	ch. 3/p. 24-26		X		X	X	X	X	X			X		X		X										
09 15 2021/09 15 2016	ch. 3/p. 24		X		X	X	X	X	X			X		X		X			X							
09 04 1220/09 04 1533	ch. 3/p. 26		X		X	X	X	X	X			X		X		X			X		X	X				
09 15 0982/09 15 1337/09 15 1539/09 15 1668/ 09 15 2015	ch. 3/p. 24-26		X		X	X	X	X	X			X		X		X										
Screw Neck Vials ND10, Micro-Inserts and Seals																										
10 09 0743/10 09 1196/10 09 1197	ch. 4/p. 28		X		X	X	X	X	X			X		X		X			X	X	X	X				
06 09 0357/06 09 0669/06 09 0865/06 09 0866	ch. 4/p. 28		X		X	X	X	X	X			X		X		X			X	X	X	X				
10 15 1257/10 15 0744/10 15 1328 (HPLC only)	ch. 4/p. 28		X		X	X	X	X	X			X		X		X			X	X	X	X				
10 08 0742 + 10 02 0646	ch. 4/p. 28		X		X	X	X	X	X			X		X		X										
Snap Ring Vials ND11, Micro-Inserts and Seals																										
11 09 0627/11 09 0644/11 09 0645	ch. 6/p. 32		X		X	X	X	X	X			X		X		X										
11 14 1190/11 14 1656	ch. 6/p. 32		X		X	X	X	X	X			X		X		X			X		X	X				
11 19 0933/11 19 1217	ch. 7/p. 34		X		X	X	X	X	X			X		X		X										
06 09 0357/06 09 0669/06 09 0865/06 09 0866	ch. 6/p. 32		X		X	X	X	X	X			X		X		X										
11 15 0637/11 15 1852/11 15 1151/11 15 1854/ 11 15 1325/11 15 2017/11 15 1886	ch. 6/p. 33		X		X	X	X	X	X			X		X		X										
11 15 2045/11 15 2046/11 15 2047/11 15 2048	ch. 6/p. 33		X		X	X	X	X	X			X		X		X										
11 15 0650/11 15 1853/11 15 1269/11 15 1858/ 11 15 1326/11 15 1794/11 15 1793	ch. 6/p. 33		X		X	X	X	X	X			X		X		X										
Screw Neck Vials ND13, Micro-Insert and Seals																										
13 09 0222/13 09 1335/13 09 0280/13 09 1336	ch. 8/p. 35				X	X	X	X		X			X		X			X	X	X	X					
40 09 0146 + 50 13 0147	ch. 8/p. 35				X	X	X	X		X			X		X			X	X	X	X					
13 15 0887/13 15 0815/13 15 1293 (HPLC only)	ch. 8/p. 35				X	X	X	X		X			X		X			X	X	X	X					
13 08 0166 + 12 02 0168	ch. 8/p. 36				X	X	X	X		X			X		X			X								
Shell Vials 1ml, 2ml and 4ml with Plug as well as Micro-Inserts																										
08 14 1168/08 14 1169	ch. 9/p. 37	X									X	X	X			X										
11 14 0544/11 14 0545/06 09 0357	ch. 9/p. 38		X				X	X			X		X		X											
15 14 0548/15 14 0562/06 09 0651	ch. 9/p. 37				X	X	X	X		X			X		X			X								
Headspace Vials and Seals ND20/ND18																										
20 09 0795	ch. 10/p. 40-41																							X		
20 09 1405/20 09 1691	ch. 10/p. 40-41																						X	X		
20 09 0873/20 09 1690	ch. 10/p. 40-41																							X	X	
20 03 0975/20 03 1536	ch. 10/p. 40-41/43																								X	
20 03 0142/20 03 0901	ch. 10/p. 40-41/43																							X		
22 15 1334	ch. 10/p. 44																						X			
18 09 1307/18 09 1311/18 09 1306/18 09 1310	ch. 10/p. 40-41																								X	
18 03 2063 (SPME)	ch. 10/p. 44																								X	
18 03 1578/18 03 1309/18 03 1414/18 03 1416/ 18 03 1874	ch. 10/p. 44																								X	
Screw Neck Vials ND24 and Seals																										
24 09 0402/24 09 0928	ch. 12/p. 47																									X
24 04 0842/24 04 0841	ch. 12/p. 48																									X
24 15 1163/24 15 1540	ch. 12/p. 48																									X
24 08 0403/24 08 0592	ch. 12/p. 48																									X
22 02 1108	ch. 12/p. 48																									X

TOC

- = Thermo Finnigan/
Thermo Quest/
Carlo Erba/Fisons

[illegible]

L2200 (LaChrom Elite)/L2200J (LaChrom Ultra) (200 Pos. Tray)	L2200 (LaChrom Elite) (128 Pos. Tray)	L7200 (LaChrom) (80 Pos. Tray)/ L7250 (LaChrom) (120 Pos. Tray)	L7250 (LaChrom) (Rock Holder for combination Racks)	6.5-A40 (108 Pos. Tray)	L9100	AS2000 (50 Pos. Tray)	AS4000 (150 Pos. Tray)	AS4000 (198 Pos. Tray)	AS6000
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Instrument Company VWR (Merck®)/Hitachi			L2200 (LaChrom Elite)/ (LaChrom Ultra) (200 Pos. Tray)	L2200 (LaChrom Elite) (128 Pos. Tray)	L7200 (LaChrom) (80 Pos. Tray)/ (L7250 (LaChrom) (120 Pos. Tray)	L7250 (LaChrom) (Rack Holder for combination Racks) 655-A40 (108 Pos. Tray)	L9100 AS2000 (50 Pos. Tray)	AS4000 (150 Pos. Tray)	AS4000 (198 Pos. Tray)	AS6000
Crimp Neck Vials ND8 and Seals										
08 09 0276/08 09 0606	ch. 1/p. 18					X				X X
08 03 0249/08 03 0113/08 03 1156	ch. 1/p. 19					X				X X
Screw Neck Vials ND8, Micro-Inserts and Seals										
11 09 0210/11 09 0259/11 09 0419/11 09 0382	ch. 2/p. 20	X		X	X	X	X	X	X	X
05 09 0129/05 09 0968/05 09 0279 + 05 13 0426	ch. 2/p. 20	X		X	X	X	X	X	X	X
08 15 0460/08 15 0293/08 15 1449/	ch. 2/p. 21/22	X		X	X	X	X			
08 08 0027 + 08 02 0039/08 08 0027+08 02 0177	ch. 2/p. 21/22	X		X	X	X	X	X	X	X
Short Thread Vials ND9, Micro-Inserts and Seals										
11 09 0500/11 09 0519/11 09 0520/11 09 0999/11 09 1957/11 14 1189/11 14 1265/11 14 1655	ch. 3/p. 23	X		X	X	X	X	X	X	X
06 09 0357/06 09 1240/06 09 0865/06 09 1343	ch. 3/p. 23	X		X	X	X	X	X	X	X
09 15 2021/09 15 2016	ch. 3/p. 24									
09 15 0481/09 15 0838/09 15 0852/09 15 0869/09 15 0478/09 15 0867 [also available with caps in other colours]	ch. 3/p. 24-25	X		X	X	X	X	X	X	X
Crimp Neck Vials ND11, Micro-Inserts and Seals										
11 09 0356/11 09 0476/11 09 0477/11 14 1190/11 14 1656/11 09 0921/11 09 1956	ch. 5/p. 29							X	X	
06 09 0357/06 09 1240/06 09 0865/06 09 1343	ch. 5/p. 29							X	X	
11 03 0196/11 03 0464/11 03 0339/11 03 0247	ch. 5/p. 30-31							X	X	
Snap Ring Vials ND11, Micro-Inserts and Seals										
11 09 0627/11 09 0644/11 09 0645/11 14 1190/11 14 1266/11 14 1656	ch. 6/p. 32	X		X	X	X	X	X	X	X
06 09 0357/06 09 1240/06 09 0865/06 09 1343	ch. 6/p. 32	X		X	X	X	X	X	X	X
11 15 2045/11 15 2046 [also available with blue caps]	ch. 6/p. 33									
11 15 0637/11 15 1852/11 15 0650/11 15 1853 [also available with caps in other colours]	ch. 6/p. 33	X		X	X	X	X	X	X	X
Screw Neck Vials ND13, Micro-Insert and Seals										
13 09 0222/13 09 1335/13 09 0280/13 09 1336	ch. 8/p. 35		X		X					
40 09 0146 + 50 13 0147	ch. 8/p. 35		X		X					
13 15 0815/13 15 1293	ch. 8/p. 35		X		X					
13 08 0166 + 12 02 0168	ch. 8/p. 36		X		X					
Screw Neck Vials ND24 and Seals										
24 09 0589/24 09 0927	ch. 12/p. 47				X					
24 08 0403 + 22 02 1108/22 02 0409	ch. 12/p. 48				X					
24 04 0842	ch. 12/p. 48				X					

LA-PHA-PACK®

Autosampler Compatibility Chart

		Crimp Neck ND8	Crimp Neck ND8	Crimp Neck ND8	Crimp Neck ND8	Crimp Neck ND8	Crimp Neck ND8	Screw Neck ND8	Screw Neck ND8	Short Thread ND9	Screw Neck ND10	Crimp Neck ND11	Crimp Neck ND11	Crimp Neck ND11	Crimp Neck ND11
		08 09 0405 08 09 0406	08 09 0284	08 09 0845 08 09 0953	08 09 0276 08 09 0606	08 09 0258 08 09 0305	08 09 1080	11 09 0210 11 09 0259 11 09 0382 11 09 0419	11 09 0417	11 09 0500 11 09 0519 11 09 0520 11 09 1241 11 09 1242 11 09 0999 11 09 1957 11 09 0620 11 14 1189 11 14 1265 11 14 1655 11 19 0932 11 19 1021 11 19 1205 11 19 1516 11 19 1216 11 19 1706	10 09 0743 10 09 1196 10 09 1197	11 09 0184 11 09 0356 11 09 0476 11 09 0477 11 09 0921 11 09 1956 11 09 0619	11 09 0486	11 09 0415	11 09 0831
		chapter 1 page 18	chapter 1 page 18	chapter 1 page 18	chapter 1 page 18	chapter 1 page 18	chapter 1 page 18	chapter 2 page 20	chapter 2 page 20	chapter 3, 7 page 23, 24, 34	chapter 4 page 28	chapter 5 page 29, 30	chapter 5 page 29	chapter 5 page 29	chapter 5 page 30
Agilent	1050				X					X		X			
Agilent	1050 (34 Pos. Tray)									X		X			
Agilent	1090				X										
Agilent	1090 (34 Pos. Tray)														
Agilent	1100									X		X			
Agilent	1200									X		X			
Agilent	G1888A														
Agilent	7673A				X					X		X			
Agilent	7683A				X		X			X		X			
Agilent	HS7694														
Agilent	7695A														
Agilent	79855(A)									X		X			
Agilent	5880									X		X			
Agilent	5890									X		X			
Agilent	6850 (27 Pos. Tray)									X		X			
Agilent	6850 (22 Pos. Tray)									X		X			
Agilent	6890									X		X			
Agilent	CTC HTS+HTC PAL	X			X	X				X		X			
Agilent	CTC GC PAL	X			X	X				X		X			
Agilent	CTC Combi PAL														
Agilent	tekmar SOLATEk72														
Agilent	AQUAtek 70														
AI	42 vial tray							X	X	X		X		X	X
AI	60 vial tray		X	X	X			X		X		X			
AI	CTC A200S	X				X		X		X		X			
AI	Headspace														
AIM	CPS-100							X		X		X			
AIM	CPS-200							X		X		X			
Alcott	708 AL														
Alcott	728														
Alcott	738							X		X	X	X			
Alcott	719 AL							X		X	X	X			
Alcott	719 D/ D-PCS							X		X	X	X			
Analytik Jena	multi N/C 3000 (TOC)														
Antec Leyden	AS 100							X		X	X	X			
Antek	736 Unisampler							X		X	X	X			
Antek	738							X		X	X	X			
Beckman	501				X			X		X	X	X			
Beckman	502/502e				X			X		X	X	X			
Beckman	504	X				X		X		X	X	X			
Beckman	507/507e				X			X	X	X	X	X			
Beckman	508 (System Gold)									X					
Beckman	Marathon							X	X	X		X		X	
Beckman	Promis							X	X	X		X		X	
Beckman	Triathlon, Standard Tray							X	X	X		X		X	
Beckman	Triathlon, LSV Tray				X										
Beckman	Triathlon, Super-LSV Tray														
Beckman	Triathlon, Micro-Tray	X				X									
Bruker	LC51														
Cambridge Scientific Instruments	205 Series							X		X	X	X			
Cambridge Scientific Instruments	300 Series							X		X	X	X			
Carlo Erba	AS100	X			X	X		X	X	X		X		X	
Carlo Erba	AS200	X				X		X		X		X		X	
Carlo Erba	A200LC	X				X		X	X	X		X		X	
Carlo Erba	AS200S	X				X		X	X	X		X		X	
Carlo Erba	AS300	X			X	X		X	X	X		X		X	
Carlo Erba	AS800, 42 vial tray							X		X		X		X	
Carlo Erba	AS800, 60 vial tray		X	X	X			X		X		X			X
Carlo Erba	HS250														
Carlo Erba	HS500														
Carlo Erba	HS800														
Carlo Erba	HS850														
Cecil Instruments	CE4800							X		X	X	X			
CTC (LEAP)	LC PAL (216 Pos.)							X	X	X	X	X		X	
CTC (LEAP)	HTX PAL, HTC PAL, HTS PAL (200 Pos. Tray)	X													
CTC (LEAP)	HTX PAL, HTC PAL, HTS PAL (54/98 Pos. Tray)				X			X	X	X	X	X		X	
CTC (LEAP)	HTX PAL, HTC PAL, HTS PAL (32 Pos. Tray)														
CTC (LEAP)	Combi PAL (200 Pos. Tray), GC PAL (200 Pos. Tray)	X													
CTC (LEAP)	Combi PAL (98 Pos. Tray), GC PAL (98 Pos. Tray)				X					X		X		X	
CTC (LEAP)	Combi PAL SPME Mode (98 Pos. Tray)									X		X		X	
CTC (LEAP)	Combi PAL (32 Pos. Tray), GC PAL (32 Pos. Tray)														
CTC (LEAP)	Combi PAL SPME Mode (32 Pos. Tray)														
CTC	A200S	X				X		X		X	X	X			
CTC	A200 LC	X				X		X	X	X	X	X		X	
CTC	HS 500														
DANI	ALS 39.80									X		X			
DANI	ALS 86.80									X		X			
DANI	ALS 1000									X		X			
DANI	HS39.50														
DANI	HS86.50														
DANI	Master AS									X		X			
Dimatoc	Dimatoc 2000														

LA-PHA-PACK® Autosampler Compatibility Chart		Snap Ring ND11	Screw Neck ND13	Shell Vials	Shell Vials	Shell Vials	Shell Vials	Headspace ND20 (ND18)	Headspace ND20 (ND18)	Headspace ND20 (ND18)	Headspace ND20 (ND18)	Headspace ND20 (ND18)	Headspace ND20 (ND18)	Headspace ND20 (ND18)	Screw Neck ND24 (EPA)
		11 09 0627 11 09 0644 11 09 0645 11 14 1190 11 14 1266 11 14 1656 11 14 1695 11 19 0933 11 19 1022 11 19 1217 11 19 1707	13 09 0222 13 09 0280 13 09 1335 13 09 1336	08 14 0641	08 14 1168 08 14 1169 08 14 0513 08 14 0595	11 14 0544 11 14 0545	15 14 0548 15 14 0562	20 09 0342	20 09 1405 20 09 1691	18 09 0864 20 09 0297 20 09 0440 20 09 1223	20 09 0795 20 09 0796	18 09 1306 18 09 1307 18 09 1310 18 09 1311 20 09 0873 20 09 1222 20 09 1690	20 09 0801	20 09 0802	24 09 0402 24 09 0589 24 09 0839 24 09 0923 24 09 0927 24 09 0928 24 09 1089 24 09 1090
		chapter 6 page 32	chapter 7 page 34	chapter 8 page 35	chapter 9 page 37	chapter 9 page 37	chapter 9 page 38	chapter 10 page 41	chapter 10 page 40	chapter 10 page 41, 42	chapter 10 page 40	chapter 10 page 40, 41	chapter 10 page 41	chapter 10 page 41	chapter 12 page 47
Agilent	1050	X													
Agilent	1050 (34 Pos. Tray)														
Agilent	1090	X													
Agilent	1090 (34 Pos. Tray)														
Agilent	1100	X													
Agilent	1200	X													
Agilent	G1888A		X								X				
Agilent	7673A														
Agilent	7683A														
Agilent	HS7694		X								X				
Agilent	7695A														X
Agilent	79855(A)	X													
Agilent	5880														
Agilent	5890														
Agilent	6850 (27 Pos. Tray)														
Agilent	6850 (22 Pos. Tray)		X												
Agilent	6890														
Agilent	CTC HTS+HTC PAL	X													
Agilent	CTC GC PAL														
Agilent	CTC Combi PAL								X			X			
Agilent	Tekmar SOLAtek72														X
Agilent	AQUAtek 70														X
AI	42 vial tray														
AI	60 vial tray														
AI	CTC A200S														
AI	Headspace								X			X			
AIM	CPS-100														
AIM	CPS-200														
Alcott	708 AL				X										
Alcott	728				X										
Alcott	738	X				X									
Alcott	719 AL	X	X					X							
Alcott	719 D/ D-PCS	X													
Analytik Jena	multi N/C 3000 (TOC)														X
Antec Leyden	AS 100	X													
Antek	736 Unisampler	X													
Antek	738	X													
Beckman	501	X													
Beckman	502/502e	X													
Beckman	504														
Beckman	507/507e	X													
Beckman	508 (System Gold)								X						
Beckman	Marathon	X													
Beckman	Promis	X													
Beckman	Triathlon, Standard Tray	X						X	X						
Beckman	Triathlon, LSV Tray		X												
Beckman	Triathlon, Super-LSV Tray								X						
Beckman	Triathlon, Micro-Tray														
Bruker	LC51		X												
Cambridge Scientific Instruments	205 Series		X												
Cambridge Scientific Instruments	300 Series		X												
Carlo Erba	AS100	X				X									
Carlo Erba	AS200					X									
Carlo Erba	A200LC	X													
Carlo Erba	AS200S														
Carlo Erba	AS300	X				X									
Carlo Erba	AS800, 42 vial tray														
Carlo Erba	AS800, 60 vial tray														
Carlo Erba	HS250								X						
Carlo Erba	HS500								X						
Carlo Erba	HS800								X			X			
Carlo Erba	HS850								X			X			
Cecil Instruments	CE4800	X													
CTC (LEAP)	LC PAL (216 Pos.)	X													
CTC (LEAP)	HTX PAL, HTC PAL, HTS PAL (200 Pos. Tray)								X						
CTC (LEAP)	HTX PAL, HTC PAL, HTS PAL (54/98 Pos. Tray)	X								X					
CTC (LEAP)	HTX PAL, HTC PAL, HTS PAL (32 Pos. Tray)											X			
CTC (LEAP)	Combi PAL (200 Pos. Tray), GC PAL (200 Pos. Tray)														
CTC (LEAP)	Combi PAL (98 Pos. Tray), GC PAL (98 Pos. Tray)														
CTC (LEAP)	Combi PAL SPME Mode (98 Pos. Tray)														
CTC (LEAP)	Combi PAL (32 Pos. Tray), GC PAL (32 Pos. Tray)								X			X			
CTC (LEAP)	Combi PAL SPME Mode (32 Pos. Tray)											X			
CTC	A200S														
CTC	A200 LC	X							X						
CTC	HS 500								X						
DANI	ALS 39.80	X													
DANI	ALS 86.80	X													
DANI	ALS 1000	X													
DANI	HS39.50											X			
DANI	HS86.50											X			
DANI	Master AS	X										X			
Dimatec	Dimatoc 2000														X

Autosampler Compatibility Chart

LA-PHA-PACK® Autosampler Compatibility Chart

		Crimp Neck ND8	Crimp Neck ND8	Crimp Neck ND8	Crimp Neck ND8	Crimp Neck ND8	Crimp Neck ND8	Screw Neck ND8	Screw Neck ND8	Short Thread ND9	Screw Neck ND10	Crimp Neck ND11	Crimp Neck ND11	Crimp Neck ND11	Crimp Neck ND11
		08 09 0405 08 09 0406	08 09 0284	08 09 0845 08 09 0953	08 09 0276 08 09 0606	08 09 0258 08 09 0305	08 09 1080	11 09 0210 11 09 0259 11 09 0382 11 09 0419	11 09 0417	11 09 0500 11 09 0519 11 09 0520 11 09 1241 11 09 1242 11 09 0999 11 09 1957 11 09 0620 11 14 1189 11 14 1265 11 14 1655 11 19 0932 11 19 1021 11 19 1205 11 19 1516 11 19 1216 11 19 1706	10 09 0743 10 09 1196 10 09 1197	11 09 0184 11 09 0356 11 09 0476 11 09 0477 11 09 0921 11 09 1956 11 09 0619	11 09 0486	11 09 0415	11 09 0831
		chapter 1 page 18	chapter 1 page 18	chapter 1 page 18	chapter 1 page 18	chapter 1 page 18	chapter 1 page 18	chapter 2 page 20	chapter 2 page 20	chapter 3, 7 page 23, 24 34	chapter 4 page 28	chapter 5 page 29, 30	chapter 5 page 29	chapter 5 page 29	chapter 5 page 30
Dionex	Gina 50			X				X		X		X			
Dionex	AS 50				X			X		X	X				
Dionex	Summit ASI 100, Micro-Tray (192 Pos.)			X											
Dionex	Summit ASI 100, Analytical-Tray (117 Pos.)							X		X		X			
Dionex	Summit ASI 100, Semiprep.-Tray (63 Pos.)														
Dionex	Famos (LC Packings/Dionex)							X		X	X	X			
Dionex	UltiMate Analytical, cylindrical, WPS-3000 SL, 120 Pos. Rack (2ml)							X		X	X	X			
Dionex	UltiMate Analytical, conical, WPS-3000 SL, 120 (3x40) Pos. Rack (1.1ml=2ml w. Inserts)													X	
Dionex	UltiMate Micro, conical, WPS-3000 SL, 120 (3x40) Pos. Rack (250µl)				X										
Dionex	UltiMate Semipreparative, WPS-3000 SL, 66 (3x22) Pos. Rack (4ml)														
Dionex	UltiMate Nano/Cap/Micro, WPS-3000 SL, 216 (3x72) Pos. Rack (1.2ml)			X											
Dionex	ASE 200														
Dimatec	Dimatec 200														
Dimatec	Dimatec 300														
Dimatec	Dimatec 400														
D-Star	DAS 10							X				X			
Dynatech	42 vial tray							X	X	X		X			
Dynatech	60 vial tray		X	X	X			X		X		X		X	X
Dynatech	LC2000			X											
Dynatech	GC111		X					X				X			
Dynatech	GC311		X					X				X			
EST Analytical	Cobra L/S GC Autosampler; 120 vial tray							X		X	X	X			
EST Analytical	Cobra L/S GC Autosampler; 60 vial tray														
EST Analytical	Markelov HS9000														
EST Analytical	Archon P/T														
EST Analytical	Centurion 100														
Finnigan	A200S	X				X		X		X		X			
Fisons	AS100	X			X	X		X	X	X		X		X	
Fisons	AS200	X				X		X		X		X		X	
Fisons	A200LC	X				X		X	X	X		X		X	
Fisons	AS200S	X				X		X	X	X		X		X	
Fisons	AS300	X			X	X		X	X	X		X		X	
Fisons	AS800 42 vial tray							X	X	X		X		X	
Fisons	AS800 60 vial tray		X	X	X			X		X		X		X	X
Fisons	HS250														
Fisons	HS500														
Fisons	HS800														
Fisons	HS850														
GBC	Avanta Ultra Z									X		X			
GE Instruments	Sievers® 900														
Gerstel	MPS2	X			X	X						X		X	
Gilson	201/202							X		X					
Gilson	221/222							X		X					
Gilson	231/401							X		X					
Gilson	232/402							X		X					
Gilson	Aspec							X		X					
Gilson	Aspec Xli							X		X					
Gilson	Aspec XL4							X		X					
Gilson	221XL/222XL	X			X (only f. 221XL)	X				X					
Gilson	223	X				X									
Gilson	231XL/232XL/233XL	X			X (only f. 231XL)	X									
Gilson	Nano Injektor							X		X					
Gilson	235/235P/SP 235/SP 235P	X				X		X		X					
Gynkotek	Gina 50			X						X		X			
Hach Lange	IL 550 TOC-TN														
HTA	HT200H														
HTA	HT250D							X		X	X	X			X
HTA	HT280T							X		X	X	X			X
HTA	HT300A							X		X	X	X			X
HTA	HT310A							X		X	X	X			X
HTA	HT300L							X		X	X	X			
ICL	LC1600	X				X									X
IMT GmbH	VSP4000														
IMT GmbH	PTA3000														
Jasco	AS 2055/AS 2055 (i)				X			X		X	X	X			
Jasco	AS 2057/AS 2057 (i)				X			X		X	X	X			
Jasco	AS 2059				X			X		X	X	X			
Knauer	K-3800 (Basic Marathon)							X	X	X		X		X	
Knauer	Smartline K-3950							X		X		X			
Knauer	PLATINblue AS-1							X		X		X			
Konik -Tech	Robokrom Static HS														
Konik -Tech	Robokrom HRCG	X				X						X			
Konik -Tech	Robokrom HPLC							X	X	X	X	X		X	
Kontron	MSI 660							X							

LA-PHA-PACK®

Autosampler Compatibility Chart

		Snap Ring ND11	Screw Neck ND13	Shell Vials	Shell Vials	Shell Vials	Shell Vials	Headspace ND20 (ND18)	Headspace ND20 (ND18)	Headspace ND20 (ND18)	Headspace ND20 (ND18)	Headspace ND20 (ND18)	Headspace ND20 (ND18)	Headspace ND20 (ND18)	Screw Neck ND24 (EPA)
		11 09 0627 11 09 0644 11 09 0645 11 14 1190 11 14 1266 11 14 1656 11 14 1695 11 19 0933 11 19 1022 11 19 1217 11 19 1707	13 09 0222 13 09 0280 13 09 1335 13 09 1336	08 14 0641	08 14 1168 08 14 1169 08 14 0513 08 14 0595	11 14 0544 11 14 0545	15 14 0548 15 14 0562	20 09 0342	20 09 1405 20 09 1691	18 09 0864 20 09 0297 20 09 0440 20 09 1223	20 09 0795 20 09 0796	18 09 1306 18 09 1307 18 09 1310 18 09 1311 20 09 0873 20 09 1222 20 09 1690	20 09 0801	20 09 0802	24 09 0402 24 09 0589 24 09 0839 24 09 0923 24 09 0927 24 09 0928 24 09 1089 24 09 1090
		chapter 6 page 32	chapter 7 page 34	chapter 8 page 35	chapter 9 page 37	chapter 9 page 38	chapter 9 page 37	chapter 10 page 41	chapter 10 page 40	chapter 10 page 41, 42	chapter 10 page 40	chapter 10 page 40, 41	chapter 10 page 41	chapter 10 page 41	chapter 12 page 47
Dionex	Gina 50	X	X												
Dionex	AS 50	X													
Dionex	Summit ASI 100, Micro-Tray (192 Pos.)														
Dionex	Summit ASI 100, Analytical-Tray (117 Pos.)	X													
Dionex	Summit ASI 100, Semiprep.-Tray (63 Pos.)		X												
Dionex	Famos (LC Packings/Dionex)	X							X						
Dionex	UltiMate Analytical, cylindrical, WPS-3000 SL, 120 Pos. Rack (2ml)	X							X						
Dionex	UltiMate Analytical, conical, WPS-3000 SL, 120 (3x40) Pos. Rack (1.1ml=2ml w. Inserts)								X						
Dionex	UltiMate Micro, conical, WPS-3000 SL, 120 (3x40) Pos. Rack (250µl)								X						
Dionex	UltiMate Semipreparative, WPS-3000 SL, 66 (3x22) Pos. Rack (4ml)		X						X						
Dionex	UltiMate Nano/Cap/Micro, WPS-3000 SL, 216 (3x72) Pos. Rack (1.2ml)								X						
Dionex	ASE 200														X
Dimatec	Dimaloc 200														X
Dimatec	Dimaloc 300														X
Dimatec	Dimaloc 400														X
D-Star	DAS 10														
Dynatech	42 vial tray														
Dynatech	60 vial tray														
Dynatech	LC2000														
Dynatech	GC111														
Dynatech	GC311														
EST Analytical	Cobra L/S GC Autosampler; 120 vial tray														
EST Analytical	Cobra L/S GC Autosampler; 60 vial tray								X						
EST Analytical	Markelov HS9000											X			
EST Analytical	Archon P/T														X
EST Analytical	Centurion 100														X
Finnigan	A200S														
Fisons	AS100	X				X									
Fisons	AS200														
Fisons	A200LC	X				X									
Fisons	AS200S														
Fisons	AS300	X				X									
Fisons	AS800 42 vial tray														
Fisons	AS800 60 vial tray														
Fisons	HS250								X						
Fisons	HS500								X						
Fisons	HS800								X			X			
Fisons	HS850								X			X			
GBC	Avanta Ultra Z	X				X									
GE Instruments	Sievers® 900														X
Gerstel	MPS2								X			X			
Gilson	201/202					X	X								
Gilson	221/222					X	X								
Gilson	231/401					X									
Gilson	232/402					X									
Gilson	Aspec					X	X								
Gilson	Aspec Xli														
Gilson	Aspec XL4														
Gilson	221XL/222XL														
Gilson	223														
Gilson	231XL/232XL/233XL														
Gilson	Nano Injektor														
Gilson	235/235P/SP 235/SP 235P														
Gynkotek	Gina 50	X	X												
Hach Lange	IL 550 TOC-TN														X
HTA	HT200H										X				
HTA	HT250D	X									X				
HTA	HT280T	X									X				
HTA	HT300A	X													
HTA	HT310A	X													
HTA	HT300L	X													
ICL	LC1600										X				
IMT GmbH	VSP4000														X
IMT GmbH	PTA3000														
Jasco	AS 2055/AS 2055 (i)	X													
Jasco	AS 2057/AS 2057 (i)	X													
Jasco	AS 2059	X													
Knauer	K-3800 (Basic Marathon)	X						X							
Knauer	Smartline K-3950	X						X							
Knauer	PLATINblue AS-1	X													
Konik -Tech	Robokrom Static HS								X			X			
Konik -Tech	Robokrom HRGC														
Konik -Tech	Robokrom HPLC	X													
Kontron	MSI 660		X												

LA-PHA-PACK® Autosampler Compatibility Chart

		Crimp Neck ND8	Crimp Neck ND8	Crimp Neck ND8	Crimp Neck ND8	Crimp Neck ND8	Crimp Neck ND8	Screw Neck ND8	Screw Neck ND8	Short Thread ND9	Screw Neck ND10	Crimp Neck ND11	Crimp Neck ND11	Crimp Neck ND11	Crimp Neck ND11
		08 09 0405 08 09 0406	08 09 0284	08 09 0845 08 09 0953	08 09 0276 08 09 0606	08 09 0258 08 09 0305	08 09 1080	11 09 0210 11 09 0259 11 09 0382 11 09 0419	11 09 0417	11 09 0500 11 09 0519 11 09 0520 11 09 1241 11 09 1242 11 09 0999 11 09 1957 11 09 0620 11 14 1189 11 14 1265 11 14 1655 11 19 0932 11 19 1021 11 19 1205 11 19 1516 11 19 1216 11 19 1706	10 09 0743 10 09 1196 10 09 1197	11 09 0184 11 09 0356 11 09 0476 11 09 0477 11 09 0921 11 09 1956 11 09 0619	11 09 0486	11 09 0415	11 09 0831
		chapter 1 page 18	chapter 1 page 18	chapter 1 page 18	chapter 1 page 18	chapter 1 page 18	chapter 1 page 18	chapter 2 page 20	chapter 2 page 20	chapter 3, 7 page 23, 24, 34	chapter 4 page 28	chapter 5 page 29, 30	chapter 5 page 29	chapter 5 page 29	chapter 5 page 30
Kontron	360, 460				X			X	X	X		X		X	
LDC	713-60		X		X										
LDC	Marathon							X	X	X		X		X	
LDC	Promis							X	X	X		X		X	
LEAP	pls. see CTC														
O.I. Analytical	1020A														
O.I. Analytical	1088														
O.I. Analytical	1096+														
O.I. Analytical	4551A														
O.I. Analytical	1552														
PerkinElmer	Series 200, 25 vial tray														
PerkinElmer	Series 200, 85 vial tray										X	X			
PerkinElmer	Series 200, 81/100 vial tray										X	X			
PerkinElmer	Series 200, 205 vial tray				X						X	X			
PerkinElmer	Series 200, 225 vial tray				X										
PerkinElmer	AI-1		X		X							X			
PerkinElmer	AS-100/AS-100B		X		X							X			
PerkinElmer	AS2000/AS2000B		X			X				X		X			
PerkinElmer	AS-300		X		X							X			
PerkinElmer	AS8300		X		X							X			
PerkinElmer	Autosystem		X		X							X			
PerkinElmer	HS 6														
PerkinElmer	HS40/HS100/101														
PerkinElmer	TurboMatrix HS16/HS40/ HS40 XL/ HS40 Trap/ HS110/ HS110 Trap														
PerkinElmer	Integral 4000										X	X			
PerkinElmer	ISS-100, 85 vial tray										X	X			
PerkinElmer	ISS-100, 100 vial tray										X	X			
PerkinElmer	ISS-200, 85 vial tray										X	X			
PerkinElmer	ISS-200, 100 vial tray										X	X			
PerkinElmer	ISS-200, 145 vial tray				X										
PerkinElmer	ISS-225, 205 vial tray				X						X	X			
PerkinElmer	ISS-225, 100 vial tray + 80 vial tray										X	X			
PerkinElmer	ISS-225, 85 vial tray										X	X			
PerkinElmer	ISS-225, 25 vial tray														
PerkinElmer	LC 600, 42 vial tray		X								X	X			
PerkinElmer	LC 600, 60 vial tray														
PerkinElmer	Claruss 400, 500, 600							X		X		X			
Pharmacia	LKB 2157-010							X				X			
Pharmacia	LKB 2157-020	X				X				X	X	X			X
Polymer Labora- tories	PLAS RT							X		X	X	X			
Quima Elektronik Sedere	QHSS-40									X		X			
SGE	IS-3200	X			X										
Shimadzu	AOC-5000	X			X					X		X		X	
Shimadzu	AOC-14/1400							X	X	X	X	X		X	
Shimadzu	AOC-17							X	X	X	X	X		X	
Shimadzu	AOC-20/20i/20s 150 Pos. Tray							X	X	X	X	X		X	
Shimadzu	AOC-20/20i/20s 96 Pos. Tray														
Shimadzu	LC-20A							X	X	X	X	X		X	
Shimadzu	SIL-2AS				X			X	X	X	X	X		X	
Shimadzu	SIL-6A				X			X	X	X	X	X		X	
Shimadzu	SIL-6B/SIL-7A/SIL-8A/SIL-9A							X	X	X	X	X		X	
Shimadzu	SIL-10A/SIL-10AF/SIL-10AP/ SIL-10Ai/SIL-10Axl/Rack S 100 Pos.				X			X	X	X	X	X		X	
Shimadzu	SIL-10A/SIL-10AF/SIL-10AP/ SIL-10Ai/SIL-10Axl/Rack L 80 Pos.														
Shimadzu	SIL-10A/SIL-10AF/SIL-10AP/ SIL-10Ai/SIL-10Axl/Rack MTP2 192 Pos.														
Shimadzu	SIL-10HTA/SIL-10HTC 350 pos. Tray														
Shimadzu	SIL-10HTA/SIL-10HTC 140 Pos. Tray							X		X	X	X			
Shimadzu	SIL-10HTA/SIL-10HTC 100 Pos. Tray														
Shimadzu	SIL-10ADvp							X	X	X	X	X		X	
Shimadzu	HTA 200 H														
Shimadzu	SIL-20A (Prominence) 105 vial tray/SIL-20AC (Promi- nence) 70 vial tray				X			X	X	X	X	X		X	
Shimadzu	SIL-20A/SIL-20AC (Promi- nence) 175 vial tray														
Shimadzu	SIL-20A/SIL-20AC (Promi- nence) 50 vial tray														
Shimadzu	LC2010C + LC2010A 350 Pos. Tray														
Shimadzu	LC2010C + LC2010A 140 Pos. Tray							X		X	X	X		X	
Shimadzu	LC2010C + LC2010A 100 Pos. Tray														

LA-PHA-PACK®

Autosampler Compatibility Chart

LA-PHA-PACK® Autosampler Compatibility Chart		Snap Ring ND11	Screw Neck ND13	Shell Vials	Shell Vials	Shell Vials	Shell Vials	Headspace ND20 (ND18)	Headspace ND20 (ND18)	Headspace ND20 (ND18)	Headspace ND20 (ND18)	Headspace ND20 (ND18)	Headspace ND20 (ND18)	Headspace ND20 (ND18)	Headspace ND20 (ND18)	Screw Neck ND24 (EPA)
		11 09 0627 11 09 0644 11 09 0645 11 14 1190 11 14 1266 11 14 1656 11 14 1695 11 19 0933 11 19 1022 11 19 1217 11 19 1707	13 09 0222 13 09 0280 13 09 1335 13 09 1336	08 14 0641	08 14 1168 08 14 1169 08 14 0513 08 14 0595	11 14 0544 11 14 0545	15 14 0548 15 14 0562	20 09 0342	20 09 1405 20 09 1691	18 09 0864 20 09 0297 20 09 0440 20 09 1223	20 09 0795 20 09 0796	18 09 1306 18 09 1307 18 09 1310 18 09 1311 20 09 0873 20 09 1222 20 09 1690	20 09 0801	20 09 0802	24 09 0402 24 09 0589 24 09 0839 24 09 0923 24 09 0927 24 09 0928 24 09 1089 24 09 1090	
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Kontron	360, 460	X														
LDC	713-60															
LDC	Marathon	X														
LDC	Promis	X														
LEAP	pls. see CTC															
O.I. Analytical	1020A															X
O.I. Analytical	1088															X
O.I. Analytical	1096+															X
O.I. Analytical	4551A															X
O.I. Analytical	1552															X
PerkinElmer	Series 200, 25 vial tray							X								
PerkinElmer	Series 200, 85 vial tray							X								
PerkinElmer	Series 200, 81/100 vial tray															
PerkinElmer	Series 200, 205 vial tray															
PerkinElmer	Series 200, 225 vial tray															
PerkinElmer	AI-1															
PerkinElmer	AS-100/AS-100B															
PerkinElmer	AS2000/AS2000B															
PerkinElmer	AS-300															
PerkinElmer	AS8300															
PerkinElmer	Autosystem															
PerkinElmer	HS 6							X								
PerkinElmer	HS40/HS100/101							X		X						
PerkinElmer	TurboMatrix HS16/HS40/ HS40 XL/ HS40 Trap/ HS110/HS110 Trap							X** (not sui- table for Turboma- trix™ 110)		X		X* (for Turboma- trix™ 16, 40, 110 produced after 1.9.06)				
PerkinElmer	Integral 4000															
PerkinElmer	ISS-100, 85 vial tray							X								
PerkinElmer	ISS-100, 100 vial tray							X								
PerkinElmer	ISS-200, 85 vial tray															
PerkinElmer	ISS-200, 100 vial tray															
PerkinElmer	ISS-200, 145 vial tray															
PerkinElmer	ISS-225, 205 vial tray															
PerkinElmer	ISS-225, 100 vial tray + 80 vial tray															
PerkinElmer	ISS-225, 85 vial tray							X								
PerkinElmer	ISS-225, 25 vial tray							X								
PerkinElmer	LC 600, 42 vial tray															
PerkinElmer	LC 600, 60 vial tray															
PerkinElmer	Clarus 400, 500, 600															
Pharmacia	LKB 2157-010	X														
Pharmacia	LKB 2157-020															
Polymer Labora- tories	PL-AS RT	X	X													
Quma Elektronik	QHSS-40	X										X				
Sedere																
SGE	LS-3200															
Shimadzu	AOC-5000								X				X			
Shimadzu	AOC-14/1400	X	X						X							
Shimadzu	AOC-17	X	X													
Shimadzu	AOC-20/20i/20s 150 Pos. Tray		X													
Shimadzu	AOC-20/20i/20s 96 Pos. Tray			X												
Shimadzu	LC-20A	X	X													
Shimadzu	SIL-2AS	X	X				X									
Shimadzu	SIL-6A	X	X				X									
Shimadzu	SIL-6B/SIL-7A/SIL-8A/SIL-9A	X	X			X	X									
Shimadzu	SIL-10A/SIL-10AF/SIL-10AP/ SIL-10Ai/SIL-10Axl/Rack S 100 Pos.	X				X										
Shimadzu	SIL-10A/SIL-10AF/SIL-10AP/ SIL-10Ai/SIL-10Axl/Rack L 80 Pos.			X			X									
Shimadzu	SIL-10A/SIL-10AF/SIL-10AP/ SIL-10Ai/SIL-10Axl/Rack MTP2 192 Pos.				X											
Shimadzu	SIL-10HTA/SIL-10HTC 350 pos. Tray					X										
Shimadzu	SIL-10HTA/SIL-10HTC 140 Pos. Tray	X				X										
Shimadzu	SIL-10HTA/SIL-10HTC 100 Pos. Tray			X			X									
Shimadzu	SIL-10ADvp	X	X		X	X	X					X	X			
Shimadzu	HTA 200 H															
Shimadzu	SIL-20A (Prominence) 105 vial tray/SIL-20AC (Promi- nence) 70 vial tray	X														
Shimadzu	SIL-20A/Sil-20AC (Promi- nence) 175 vial tray				X											
Shimadzu	SIL-20A/Sil-20AC (Promi- nence) 50 vial tray			X			X									
Shimadzu	LC2010C + LC2010A 350 Pos. Tray					X										
Shimadzu	LC2010C + LC2010A 140 Pos. Tray	X					X									
Shimadzu	LC2010C + LC2010A 100 Pos. Tray			X				X								

Autosampler Compatibility Chart

LA-PHA-PACK® Autosampler Compatibility Chart

		Crimp Neck ND8	Crimp Neck ND8	Crimp Neck ND8	Crimp Neck ND8	Crimp Neck ND8	Crimp Neck ND8	Screw Neck ND8	Screw Neck ND8	Short Thread ND9	Screw Neck ND10	Crimp Neck ND11	Crimp Neck ND11	Crimp Neck ND11	Crimp Neck ND11
		08 09 0405 08 09 0406	08 09 0284	08 09 0845 08 09 0953	08 09 0276 08 09 0606	08 09 0258 08 09 0305	08 09 1080	11 09 0210 11 09 0259 11 09 0382 11 09 0419	11 09 0417	11 09 0500 11 09 0519 11 09 0520 11 09 1241 11 09 1242 11 09 0999 11 09 1957 11 09 0620 11 14 1189 11 14 1265 11 14 1655 11 19 0932 11 19 1021 11 19 1205 11 19 1516 11 19 1216 11 19 1706	10 09 0743 10 09 1196 10 09 1197	11 09 0184 11 09 0356 11 09 0476 11 09 0921 11 09 1956 11 09 0619	11 09 0486	11 09 0415	11 09 0831
		chapter 1 page 18	chapter 1 page 18	chapter 1 page 18	chapter 1 page 18	chapter 1 page 18	chapter 1 page 18	chapter 2 page 20	chapter 2 page 20	chapter 3, 7 page 23, 24, 34	chapter 4 page 28	chapter 5 page 29, 30	chapter 5 page 29	chapter 5 page 29	chapter 5 page 30
Shimadzu	ASiV														
Sievers (GE Instruments)	Sievers® 900														
Spark	Marathon Basic, Standard 96 Pos. Tray							X	X	X		X		X	
Spark	Marathon Basic Präp King Size 48 Pos. Tray														
Spark	Midas, Standard 84 Pos. Tray							X	X	X		X		X	X
Spark	Midas, Large Capacity 96 Pos. Tray							X	X	X		X		X	X
Spark	Midas, Large Volume 24 Pos. Tray														
Spark	Alias							X	X	X		X		X	
Spark	Promis							X	X	X		X		X	
Spark	SPH 125								X	X		X		X	
Spark	Triathlon, Standard 96 Tray							X	X	X		X		X	X
Spark	Triathlon, LSV 72 Pos. Tray														
Spark	Triathlon, Super-LSV 32 Pos. Tray														
Spark	Triathlon, Micro 160 Pos. Tray	X				X									
Spark	Endurance 48 Pos. Tray							X	X	X		X		X	
Spark	Reliance 48 Pos. Tray							X	X	X		X		X	
Spectra-Physics	8875							X	X	X		X			
Spectra-Physics	8880							X	X	X		X			
Spectra-Physics	SpectraSYSTEM AS1000	X			X	X		X	X	X		X		X	
Spectra-Physics	SpectraSYSTEM AS 3000	X		X	X	X		X	X	X		X		X	X
Spectra-Physics	SpectraSYSTEM AS 3500	X			X	X		X	X	X		X		X	
Sykam	S 5200									X					
Talbot										X		X			
Teledyne Tekmar	7000/7000HT/7050														
Teledyne Tekmar	AQUATEK 70/SOLATEK 72TM														
Teledyne Tekmar	STS 8000 TOC														
Teledyne Tekmar	HT3														
Thermo Scientific	AS1000 (Trace GC)	X			X	X		X		X		X		X	
Thermo Scientific	AS200	X			X	X		X	X	X		X		X	
Thermo Scientific	AS300	X			X	X		X	X	X		X		X	
Thermo Scientific	AS2000 30 vial tray														
Thermo Scientific	AS2000 90 vial tray (Trace GC)			X				X	X	X		X		X	X
Thermo Scientific	AI3000 (III)/AS3000 (II)	X			X	X				X		X		X	
Thermo Scientific	AS3500 (Trace GC + Focus GC)														
Thermo Scientific	A200LC	X				X		X	X	X		X		X	
Thermo Scientific	SpectraSYSTEM AS 1000	X			X	X		X	X	X		X		X	
Thermo Scientific	SpectraSYSTEM AS 3000	X		X	X	X		X	X	X		X		X	X
Thermo Scientific	SpectraSYSTEM AS 3500	X			X	X		X	X	X		X		X	
Thermo Scientific	A200S	X				X		X	X	X		X		X	
Thermo Scientific	AS100	X			X	X		X	X	X		X		X	
Thermo Scientific	AS800, 42 vial tray							X	X	X		X		X	
Thermo Scientific	AS800, 60 vial tray		X	X	X			X		X		X		X	X
Thermo Scientific	HS250														
Thermo Scientific	HS500														
Thermo Scientific	HS800														
Thermo Scientific	HS850														
Thermo Scientific	HS2000														
Thermo Scientific	TriPlus (GC PAL) (AS+ Duo)	X		X	X	X		X		X		X		X	X
Thermo Scientific	TriPlus HS														
Thermo Scientific	TriPlus SPME														
Thermo Scientific	HiPerTOC														
Thermo Scientific	Surveyor (Surveyor Plus)	X			X	X		X		X		X		X	
Thermo Scientific	Accela High Speed LC Autosampler (200 Pos.)	X			X	X		X		X		X			
Tosoh	AS-8010									X		X			
Tosoh	TSK-6080									X		X			
Tracor	770/771/772							X		X		X			
TSP	8875							X		X		X			
TSP	8880							X		X		X			
Unicam	4247							X		X		X			
Unicam	4710							X		X		X			
Unicam	4700 (GC)	X				X									
Unicam	4700 (LC)	X				X		X	X	X					
Unicam	LC-XP							X	X	X		X		X	
Unicam	S4/S8	X				X									
Varian	ProStar 400, Standard 96 Pos. Tray							X	X	X	X	X		X	
Varian	ProStar 400, King Size 48 Pos. Tray														
Varian	ProStar 410, Standard 84 Pos. Tray							X	X	X	X	X		X	X
Varian	ProStar 410, Large Capacity 96 Pos. Tray							X	X	X	X	X		X	X
Varian	ProStar 410, Large Volume 24 Pos. Tray														
Varian	ProStar 420, Standard 96 Pos. Tray							X	X	X	X	X		X	X
Varian	ProStar 420, LSV 72 Pos. Tray				X										
Varian	ProStar 420, Super-LSV 32 Pos. Tray														

LA-PHA-PACK® Autosampler Compatibility Chart															
		Snap Ring ND11	Screw Neck ND13	Shell Vials	Shell Vials	Shell Vials	Shell Vials	Headspace ND20 (ND18)	Headspace ND20 (ND18)	Headspace ND20 (ND18)	Headspace ND20 (ND18)	Headspace ND20 (ND18)	Headspace ND20 (ND18)	Headspace ND20 (ND18)	Screw Neck ND24 (EPA)
		11 09 0627 11 09 0644 11 09 0645 11 14 1190 11 14 1266 11 14 1656 11 14 1695 11 19 0933 11 19 1022 11 19 1217 11 19 1707	13 09 0222 13 09 0280 13 09 1335 13 09 1336	08 14 0641	08 14 1168 08 14 1169 08 14 0513 08 14 0595	11 14 0544 11 14 0545	15 14 0548 15 14 0562	20 09 0342	20 09 1405 20 09 1691	18 09 0864 20 09 0297 20 09 0440 20 09 1223	20 09 0795 20 09 0796	18 09 1306 18 09 1307 18 09 1310 18 09 1311 20 09 0873 20 09 1222 20 09 1690	20 09 0801	20 09 0802	24 09 0402 24 09 0589 24 09 0839 24 09 0923 24 09 0927 24 09 0928 24 09 1089 24 09 1090
		chapter 6 page 32	chapter 8 page 34	chapter 9 page 37	chapter 9 page 37	chapter 9 page 38	chapter 9 page 37	chapter 10 page 41	chapter 10 page 40	chapter 10 page 41, 42	chapter 10 page 40	chapter 10 page 40, 41	chapter 10 page 41	chapter 10 page 41	chapter 12 page 47
Shimadzu	ASi-V														X
Sievers (GE Instruments)	Sievers® 900														X
Spark	Marathon Basic, Standard 96 Pos. Tray	X													
Spark	Marathon Basic Präp King Size 48 Pos. Tray							X							
Spark	Midas, Standard 84 Pos. Tray	X							X						
Spark	Midas, Large Capacity 96 Pos. Tray	X													
Spark	Midas, Large Volume 24 Pos. Tray								X						
Spark	Alias	X								X					
Spark	Promis	X													
Spark	SPH 125	X													
Spark	Triathlon, Standard 96 Tray	X				X									
Spark	Triathlon, LSV 72 Pos. Tray		X												
Spark	Triathlon, Super-LSV 32 Pos. Tray								X						
Spark	Triathlon, Micro 160 Pos. Tray														
Spark	Endurance 48 Pos. Tray	X													
Spark	Reliance 48 Pos. Tray	X													
Spectra-Physics	8875	X													
Spectra-Physics	8880	X													
Spectra-Physics	SpectraSYSTEM AS1000	X				X									
Spectra-Physics	SpectraSYSTEM AS 3000	X				X									
Spectra-Physics	SpectraSYSTEM AS 3500	X				X									
Sykam	S 5200	X													
Talbot		X													
Teledyne Tekmar	7000/7000HT/7050									X					
Teledyne Tekmar	AQUAtek 70/SOLATEk 72TM														X
Teledyne Tekmar	STS 8000 TOC														X
Teledyne Tekmar	HT3									X		X			
Thermo Scientific	AS1000 (Trace GC)														
Thermo Scientific	AS200														
Carlo Erba	AS300	X				X									
Thermo Scientific	AS2000 30 vial tray								X						
Thermo Scientific	AS2000 90 vial tray (Trace GC)														
Thermo Scientific	AI3000 (III)/AS3000 (III) AS3500(Trace GC + Focus GC)								X						
Thermo Scientific	A200LC	X				X									
Thermo Scientific	SpectraSYSTEM AS 1000	X				X									
Thermo Scientific	SpectraSYSTEM AS 3000	X				X									
Thermo Scientific	SpectraSYSTEM AS 3500	X				X									
Thermo Scientific	A200S														
Thermo Scientific	AS100	X				X									
Thermo Scientific	AS800, 42 vial tray														
Thermo Scientific	AS800, 60 vial tray														
Thermo Scientific	HS250								X						
Thermo Scientific	HS500								X						
Thermo Scientific	HS800								X			X			
Thermo Scientific	HS850								X			X			
Thermo Scientific	HS2000								X			X			
Thermo Scientific	TriPlus (=GC PAL) (AS+ Duo)								X			X			
Thermo Scientific	TriPlus HS								X			X			
Thermo Scientific	TriPlus SPME								X			X			
Thermo Scientific	HiPerTOC											X			
Thermo Scientific	Surveyor (Surveyor Plus)	X				X			X						X
Thermo Scientific	Accela High Speed LC Autosampler (200 Pos.)	X													
Tosoh	AS-8010	X													
Tosoh	TSK-6080	X	X												
Tracor	770/771/772														
TSP	8875	X													
TSP	8880	X													
Unicam	4247														
Unicam	4710														
Unicam	4700 (GC)														
Unicam	4700 (LC)														
Unicam	LC-XP		X												
Unicam	S4/S8														
Varian	ProStar 400, Standard 96 Pos. Tray	X													
Varian	ProStar 400, King Size 48 Pos. Tray							X							
Varian	ProStar 410, Standard 84 Pos. Tray	X							X						
Varian	ProStar 410, Large Capacity 96 Pos. Tray	X													
Varian	ProStar 410, Large Volume 24 Pos. Tray								X						
Varian	ProStar 420, Standard 96 Pos. Tray	X				X									
Varian	ProStar 420, LSV 72 Pos. Tray		X												
Varian	ProStar 420, Super-LSV 32 Pos. Tray							X	X						

LA-PHA-PACK® Autosampler Compatibility Chart

		Crimp Neck ND8	Crimp Neck ND8	Crimp Neck ND8	Crimp Neck ND8	Crimp Neck ND8	Crimp Neck ND8	Screw Neck ND8	Screw Neck ND8	Short Thread ND9	Screw Neck ND10	Crimp Neck ND11	Crimp Neck ND11	Crimp Neck ND11	Crimp Neck ND11
		08 09 0405 08 09 0406	08 09 0284	08 09 0845 08 09 0953	08 09 0276 08 09 0606	08 09 0258 08 09 0305	08 09 1080	11 09 0210 11 09 0259 11 09 0382 11 09 0419	11 09 0417	11 09 0500 11 09 0519 11 09 0520 11 09 1241 11 09 1242 11 09 0999 11 09 1957 11 09 0620 11 14 1189 11 14 1265 11 14 1655 11 19 0932 11 19 1021 11 19 1205 11 19 1516 11 19 1216 11 19 1706	10 09 0743 10 09 1196 10 09 1197	11 09 0184 11 09 0356 11 09 0476 11 09 0477 11 09 0921 11 09 1956 11 09 0619	11 09 0486	11 09 0415	11 09 0831
		chapter 1 page 18	chapter 1 page 18	chapter 1 page 18	chapter 1 page 18	chapter 1 page 18	chapter 1 page 18	chapter 2 page 20	chapter 2 page 20	chapter 3, 7 page 23, 24, 34	chapter 4 page 28	chapter 5 page 29, 30	chapter 5 page 29	chapter 5 page 29	chapter 5 page 30
Varian	ProStar 420, Micro 160 Pos. Tray	X				X									
Varian	ProStar 430, 48 Pos. Tray							X	X	X		X		X	
Varian	8035							X	X	X					
Varian	8000							X		X		X			
Varian	8400 (100 Pos.)							X		X		X			
Varian	8410-Autoinjector (10 x 2ml; 6 x 5ml; 5 x 10ml)							X		X		X			
Varian	8100							X		X		X			
Varian	8200							X		X	X	X			
Varian	CP-910, 911, 912							X		X	X	X			
Varian	CP-940, 941											X			
Varian	LC 9100/LC 9095/LC 9090									X		X			
Varian	Archon														
Varian	COMBI PAL (200 Pos. Tray)	X				X									
Varian	GC PAL (200 pos. Tray)				X					X		X			
Varian	COMBI PAL (98 Pos. Tray)									X		X			
Varian	GC PAL (98 Pos. Tray)														
Varian	COMBI PAL SPME mode (98 Pos. Tray)									X		X			
Varian	COMBI PAL (32 Pos. Tray)														
Varian	GC PAL (32 Pos. Tray)														
Varian	COMBI PAL SPME mode (32 Pos. Tray)														
Varian	Genesis														
Varian	Marathon Basic, Standard 96 Pos. Tray							X	X	X		X		X	
Varian	Marathon Basic, Präp. King Size 48 Pos. Tray														
Varian	Vista							X		X					
Varian	CP-9020/CP-9025														
Varian	CP-9060														
Varian	CP-9010							X		X		X			
Viscotek	VortexIM														
Viscotek	GPC Autosampler							X		X	X				
VWR(Merck®)/Hitachi	L2200 (LaChrom Elite)/L2200-U (LaChrom Ultra) (200 Pos. Tray)							X		X					
VWR(Merck®)/Hitachi	L2200 (LaChrom Elite) (128 Pos. Tray)														
VWR(Merck®)/Hitachi	L7200 (LaChrom) (80 Pos. Tray)/L7250 (LaChrom) (120 Pos. Tray)							X		X					
VWR(Merck®)/Hitachi	L7250 (LaChrom) (Rack Holder for combination Racks)				X			X		X					
VWR(Merck®)/Hitachi	655-A40 (108 Pos. Tray)							X		X					
VWR(Merck®)/Hitachi	L9100							X		X					
VWR(Merck®)/Hitachi	AS 2000 (50 Pos. Tray)							X		X		X			
VWR(Merck®)/Hitachi	AS 4000 (150 Pos. Tray)							X		X		X			
VWR(Merck®)/Hitachi	AS 4000 (198 Pos. Tray)				X										
VWR(Merck®)/Hitachi	AS 6000				X			X		X					
Waters®	ACQUITY™ UPLC Systeme									X					
Waters®	Wisp 48 position														
Waters®	Wisp 96 position														
Waters®	717, 96 Position Carousel														
Waters®	717, 48 Position Carousel														
Waters®	Alliance®									X	X	X			
Waters®	Alliance® GPC 2000														
Waters®	Alliance® HT Syst.									X	X	X			
Waters®	Alliance® 2790/2795									X	X	X			
Waters®	Alliance® 2690/2695									X	X	X			
(not for 11 09 0620)															

X** : for 24 Position Plate

LA-PHA-PACK® Autosampler Compatibility Chart		Snap Ring ND11	Screw Neck ND13	Shell Vials	Shell Vials	Shell Vials	Shell Vials	Headspace ND20 (ND18)	Headspace ND20 (ND18)	Headspace ND20 (ND18)	Headspace ND20 (ND18)	Headspace ND20 (ND18)	Headspace ND20 (ND18)	Headspace ND20 (ND18)	Headspace ND20 (ND18)	Screw Neck ND24 (EPA)
		11 09 0627 11 09 0644 11 09 0645 11 14 1190 11 14 1266 11 14 1656 11 14 1695 11 19 0933 11 19 1022 11 19 1217 11 19 1707	13 09 0222 13 09 0280 13 09 1335 13 09 1336	08 14 0641	08 14 1168 08 14 1169 08 14 0513 08 14 0595	11 14 0544 11 14 0545	15 14 0548 15 14 0562	20 09 0342	20 09 1405 20 09 1691	18 09 0864 20 09 0297 20 09 0440 20 09 1223	20 09 0795 20 09 0796	18 09 1306 18 09 1307 18 09 1310 18 09 1311 20 09 0873 20 09 1222 20 09 1690	20 09 0801	20 09 0802	24 09 0402 24 09 0589 24 09 0839 24 09 0923 24 09 0927 24 09 0928 24 09 1089 24 09 1090	
		chapter 6 page 32	chapter 7 page 34	chapter 8 page 35	chapter 9 page 37	chapter 9 page 37	chapter 9 page 38	chapter 9 page 37	chapter 10 page 41	chapter 10 page 40	chapter 10 page 41, 42	chapter 10 page 40	chapter 10 page 40, 41	chapter 10 page 41	chapter 10 page 41	chapter 12 page 47
Varian	ProStar 420, Micro 160 Pos. Tray															
Varian	ProStar 430, 48 Pos. Tray	X														
Varian	8035															
Varian	8000															
Varian	8400 (100 Pos.)													X		
Varian	8410-Autoinjector (10 x 2ml; 6 x 5ml; 5 x 10ml)													X	X	
Varian	8100															
Varian	8200															
Varian	CP-910, 911, 912															
Varian	CP-940, 941															
Varian	LC 9100/LC 9095/LC 9090	X														
Varian	Archon															X
Varian	COMBI PAL (200 Pos. Tray)								X							
Varian	GC PAL (200 pos. Tray)								X							
Varian	COMBI PAL (98 Pos. Tray)								X							
Varian	GC PAL (98 Pos. Tray)								X							
Varian	COMBI PAL SPME mode (98 Pos. Tray)								X							
Varian	COMBI PAL (32 Pos. Tray)								X				X			
Varian	GC PAL (32 Pos. Tray)								X				X			
Varian	COMBI PAL SPME mode (32 Pos. Tray)								X				X			
Varian	Genesis											X				
Varian	Marathon Basic, Standard 96 Pos. Tray	X														
Varian	Marathon Basic, Präp, King Size 48 Pos. Tray							X								
Varian	Vista															
Varian	CP-9020/CP-9025									X						
Varian	CP-9060									X						
Varian	CP-9010															
Viscotek	VortexIM															X
Viscotek	GPC Autosampler															
VWR(Merck®)/Hitachi	L2200 (LaChrom Elite)/L2200-U (LaChrom Ultra) (200 Pos. Tray)	X														
VWR(Merck®)/Hitachi	L2200 (LaChrom Elite) (128 Pos. Tray)		X													
VWR(Merck®)/Hitachi	L7200 (LaChrom) (80 Pos. Tray)/L7250(LaChrom) (120 Pos. Tray)	X														
VWR(Merck®)/Hitachi	L7250 (LaChrom) (Rack Holder for combination Racks)	X	X													X
VWR(Merck®)/Hitachi	655-A40 (108 Pos. Tray)	X														
VWR(Merck®)/Hitachi	L-9100	X														
VWR(Merck®)/Hitachi	AS 2000 (50 Pos. Tray)	X														
VWR(Merck®)/Hitachi	AS 4000 (150 Pos. Tray)	X														
VWR(Merck®)/Hitachi	AS 4000 (198 Pos. Tray)															
VWR(Merck®)/Hitachi	AS 6000	X														
Waters®	ACQUITY™ UPLC Systeme		X (for 24 Position Plate)													
Waters®	Wisp 48 position		X				X									
Waters®	Wisp 96 position					X										
Waters®	717, 96 Position Carousel				X											
Waters®	717, 48 Position Carousel		X				X									
Waters®	Alliance®	X														
Waters®	Alliance® GPC 2000		X						X							
Waters®	Alliance® HT Syst.	X														
Waters®	Alliance® 2790/2795	X														
Waters®	Alliance® 2690/2695	X														

Autosampler Compatibility Chart

According to our information our compatibility chart was correct when it was printed. Please note that later changes in manufacturers' specifications may lead to different compatibilities.

Chromacol

Chromacol	La-Pha-Pack® Article No.	Chromacol	La-Pha-Pack® Article No.	Chromacol	La-Pha-Pack® Article No.	Chromacol	La-Pha-Pack® Article No.
02-CTVG / 500	08 09 0606	11-ST15 / 500	11 02 0104	2-RV / 500	11 09 0644	9-CV (alt.)	20 09 0802
02-MTV / 1000 (alt.)	05 09 0968	11-ST15 / 500 (alt.)	11 02 0140	2-RV(A) / 500	11 09 0645	9-SC(B)-8RT1 / 500	09 15 1819
02-MTVMP / 500 (alt.)	05 09 0129	11-T02 / 1000	11 02 0176	2-RV8-CP / 100 (alt.)	11 26 1925	9-SC(B)-8RT1 / 500 (alt.)	09 15 0867
02-MTVMP / 500 (alt.)	05 09 0269	12-6RT1 / 500	12 02 0223	2-RVST-CP / 100	11 26 1927	9-SC(B)-ST1 / 500	09 15 0838
02-MTVWG / 1000	06 09 0669	12-NPEP4 / 1000	12 08 0546	2-SV / 500	11 09 0419	9-SC(B)-ST101 / 500 (alt.)	09 15 0838
02-MTVWG / 1000 (alt.)	06 09 0357	12-SC / 500	13 08 0166	2-SV(A) / 500	11 09 0382	9-SC(B)-ST1X / 500	09 15 0869
02-NV / 1000	05 09 1674	12-SC(W) / 500	13 08 0639	2-SVG / 500 (alt.)	11 09 0419	9-SC(B)-TST1 / 500	09 15 0868
03-CVG / 500	08 09 0276	12-SC-8RT1 / 500	13 15 0456	2-SV(W)101-CP / 100 (alt.)	11 24 1142	9-SC(BLK)-BST1 / 500	09 04 1220
03-FIRV (alt.)	11 14 1190	12-SCS / 500	13 08 0336	2-SVV / 500	11 09 0519	9-SC(G)-8RT1 / 500	09 15 1356
03-FIRV(A) (alt.)	11 14 1656	12-SC-ST2 / 500 (alt.)	13 15 0815	2-SVV(A) / 500	11 09 0520	9-SC(G)-ST1 / 500	09 15 1332
03-FISV / 500	11 09 0999	12-ST101 / 500	12 02 0883	2-SVV(A)8-CP / 100	11 24 1528	9-SC(GY)-BST1X / 500 (alt.)	09 04 1534
03-FISV(A) / 500	11 09 1957	12-St101 / 500 (alt.)	12 02 0608	2-SVV(A)ST-CP / 100	11 24 1342	9-SC(N)-8RT1 / 500	09 15 0478
03-FIV / 500	11 09 0921	12-ST143 / 500	12 02 0608	2-SVVW8-CP / 100	11 24 1920	9-SC(N)-ST1 / 500	09 15 0481
03-FIV(A) / 500	11 09 1956	12-ST18 / 500 (alt.)	12 02 0143	2-SVVW8-CP / 100	11 24 1929	9-SCJ(W)-8RT1 / 500 (alt.)	09 15 2011
03-NV / 1000	06 09 0866	12-ST2 / 500 (alt.)	12 02 0143	2-SVWST-CP / 100	11 24 1143	9-SCJ(W)-8RT1 / 500 (alt.)	09 15 0478
03-PECV / 500 (alt.)	11 19 0933	12-SV	15 09 1657	30-SF-02(CA) / 100 (alt.)	25 16 0348	9-SCJ(W)-ST101 / 500 (alt.)	09 15 0481
03-PPSVW / 500 (alt.)	11 19 0932	12-SV(A) / 200	15 09 1800	30-SF-02(N) / 100 (alt.)	25 16 0350	9-SCJ(W)-ST15 / 500 (alt.)	09 15 0481
05-CTV(A)	08 09 1080	12-T02 / 1000	12 02 0168	30-SF-02(N)P / 100 (alt.)	25 16 1550	9-SCJ(Y)-8RT1 / 500 (alt.)	09 15 2014
06-PECV (alt.)	11 19 1707	13-SC-ST15 / 500	13 15 0815	30-SF-02(PV) / 100 (alt.)	25 16 1552	9-SCJ(Y)-8RT1 / 500 (alt.)	09 15 1542
06-PESV14X-CP / 100 (alt.)	11 24 1866	13-SC-ST15X / 500	13 15 1293	30-SF-02(RC) / 100 (alt.)	25 16 0348	9-SCJ(Y)-ST101 / 500 (alt.)	09 15 1527
06-PESV14X-CP / 100 (alt.)	11 24 1557	16-SV / 200	18 09 1704	30-SF-02(T) / 100 (alt.)	25 16 0346	9-SCJ(Y)-ST15 / 500 (alt.)	09 15 1527
06-PPCV (alt.)	11 19 1707	18-MSC-CBT3 / 500 (alt.)	18 03 1416	30-SF-12(GMF) / 100 (alt.)	25 16 1587	9-SCJ-8RT1 / 500 (alt.)	09 15 2013
07-CPV / 500	08 09 0305	18-MSC-ST101 / 500	18 03 1309	30-SF-45(CA) / 100 (alt.)	25 16 0349	9-SCJ-8RT1 / 500 (alt.)	09 15 1570
07-CPV(A) / 500	08 09 0258	18-MSC-ST101 / 500 (alt.)	18 03 1578	30-SF-45(N) / 100 (alt.)	25 16 0351	9-SCJ-M-ST101	09 15 1907
08-CPV / 500	08 09 0405	18-MSC-ST3 / 500 (alt.)	18 03 1414	30-SF-45(N)P / 100 (alt.)	25 16 1551	9-SCJ-ST101 / 500 (alt.)	09 15 1572
08-CPV(A) / 500	08 09 0406	18-SC / 500	18 08 0516	30-SF-45(PV) / 100 (alt.)	25 16 1553	9-SCJ-Sh101X / 500 (alt.)	09 15 1669
08-CV / 500	08 09 0284	18-ST101	17 02 1417	30-SF-45(RC) / 100 (alt.)	25 16 0349	9-SCJ-ST15 / 500 (alt.)	09 15 1572
09-CTV / 500	11 09 0486	18-ST3 / 500 (alt.)	16 02 0870	30-SF-45(T) / 100 (alt.)	25 16 0347	9-SCS-8RT1 (alt.)	09 15 1887
1.1-CTVG / 500	11 09 0415	1-NMW-C / 500	08 14 0641	30-SF-45(T)P / 100 (alt.)	25 16 1547	CR-11	11 06 0006
1.1-STVG / 500	11 09 0417	1-NWV / 500	08 09 0483	40-EPASV / 100	24 09 0402	CR-13	13 06 0007
1.2-CVW / 500	08 09 0845	1-NWV(A)-C / 200	08 14 1169	40-EPASV(A) / 100	24 09 0928	CR-20	20 06 0008
1.5-HRCV / 100	11 09 0619	1-NWV(A)-C / 200	08 27 1671	40-SV / 100	24 09 0402	CR-8	08 06 0005
1.5-HRSV / 100	11 09 0620	1-NWV(A)-C / 200 (alt.)	08 14 0595	40-SV(A) / 100	24 09 0928	CTCG / 100	11 25 1922
10-CV (alt.)	20 09 0795	1-NWVC / 200	08 14 1168	40-NWV(A)-C	15 14 0562	CTCG / 100 (alt.)	11 25 1526
10-CV / 125	20 09 1405	1-NWVC / 200	08 27 1670	4-NWV(A)-C	15 27 1066	CTCL / 100	11 25 1922
10-CV(A) / 125	20 09 1691	1-NWVC / 200 (alt.)	08 14 0513	4-NWVC / 100	15 14 0548	DCB-11	11 07 0002
10-HSV / 125	18 09 1306	2.5-CV / 500	11 09 0831	4-NWVC / 100	15 27 1065	DCB-13	13 07 0003
11-6RT1 / 500	11 02 0534	2.5-NV / 500	11 09 0537	4-SV / 500	13 09 0222	DCB-20	20 07 0004
11-AC(B)-ST144 / 500	11 03 0667	20-AC(B)-ST3 / 500	20 03 0554	4-SV(A) / 500	13 09 0280	DCB-8	08 07 0001
11-AC6 / 500 (alt.)	11 03 0300	20-AC(R)-ST3 / 500	20 03 1159	6-CV / 125	20 09 0342	DIC / 100 (alt.)	11 24 1557
11-AC6(B) / 500 (alt.)	11 03 0303	20-ACB / 500	20 01 0408	8-6RT1 / 1000	08 02 0232	ECO-11 / 25	11 18 0938
11-AC6(G) / 500 (alt.)	11 03 0301	20-AC-CBT3 / 500	20 03 0059	8-AC(B)-ST144 / 500 (alt.)	08 03 0249	ECO12 / 25	12 18 0939
11-AC6(GO) / 500 (alt.)	11 03 0304	20-AC-ST3 / 500	20 03 0142	8-AC6 / 1000 (alt.)	08 03 1935	ECO-17 / 25	17 18 0940
11-AC6(R) / 500 (alt.)	11 03 0302	20-AS3 / 500	20 02 0335	8-AC7 / 1000	08 03 0451	ECO-9.5	09 18 0936
11-AC7 / 500	11 03 0209	20-ASH3 (alt.) / 500	20 02 0335	8-AC-ST101 / 500	08 03 0884	ECO-SP / 25	07 18 0935
11-AC7(B) / 500 (alt.)	11 03 0303	20-B3P / 500	20 10 0290	8-AC-ST101 / 500 (alt.)	08 03 0599	HGP / 100	11 25 1139
11-AC7(G) / 500 (alt.)	11 03 0301	20-CB3 / 1000	20 02 0122	8-AC-ST101X / 500	08 03 1156	HPL / 100	11 25 1139
11-AC7(GO) / 500 (alt.)	11 03 0304	20-CBT3 / 1000	20 02 0057	8-AC-ST15 / 500	08 03 0249	HPLS / 100 (alt.)	11 24 1920
11-AC7(R) / 500 (alt.)	11 03 0302	20-CBT3B / 1000	20 02 0035	8-AC-ST15 / 500 (alt.)	08 03 0165	HPLS / 100 (alt.)	11 24 1929
11-AC-CBT1 / 500 (alt.)	11 03 1641	20-CV / 125	20 09 0873	8-ACT / 1000	08 03 0268	HT-11 / 25	11 18 0938
11-AC-ST101 / 500	11 03 0885	20-CV / 125 (alt.)	20 09 0796	8-AC-TST1 / 500	08 03 0113	HT-12 / 25	12 18 0939
11-AC-ST101 / 500 (alt.)	11 03 0588	20-CV(A) / 125	20 09 1690	8-AC-V1 / 500	08 03 0861	HT-17 / 25	17 18 0940
11-AC-ST101X / 500	11 03 0464	20-EPASV / 100	24 09 0589	8-NPWP / 1000	08 08 1167	HT-9.5	09 18 0936
11-AC-ST15 / 500	11 03 0247	20-EPASV(A) / 100	24 09 0927	8-NPWP / 1000 (alt.)	08 08 0488	HT-SP / 25	07 18 0935
11-AC-ST15 / 500 (alt.)	11 03 0362	20-HSV / 125	18 09 1307	8-PEC1	08 08 1675	LL-11 / 25	11 18 0938
11-ACT / 1000	11 03 0339	20-HSVST3-CP / 125 (alt.)	18 33 1426	8-PEC1-8RT1	09 15 0753	LL-12 / 25	12 18 0939
11-ACTST1 / 500	11 03 0196	20-HSVST3-CP / 125 (alt.)	18 33 1428	8-PEC1-ST1 / 1000	09 15 0756	LL-17 / 25	17 18 0940
11-AC-V1 / 500	11 03 0720	20-MCBC / 500 (alt.)	20 01 1531	8-PEC1X (alt.)	08 08 1675	LL-9.5	09 18 0936
11-MCBC-SR15 / 500 (alt.)	11 03 0318	20-MCBC(N) / 500 (alt.)	20 01 1531	8-SC / 500	08 08 0027	LL-SP / 25	07 18 0935
11-PEC1X (alt.)	11 08 1676	20-MCBC(N)-ST3 / 500 (alt.)	20 03 0975	8-SC(W) / 500	08 08 0436	MEL / 100	11 25 1923
11-PEC1X (alt.)	11 08 1676	20-MCBC(N)-ST3 / 500 (alt.)	20 03 1536	8-SC-8RT1 / 500	08 15 0460	PEL / 100	11 24 1238
11-PEC-8RT1 / 1000	13 15 0553	20-MCBC(R) / 500	20 01 1531	8-SC-8RT1 / 500 (alt.)	08 15 1965	S-50 / 50	50 13 0147
11-PEC-ST1 / 1000	13 15 0996	20-MCBC(R)-ST3 / 500	20 03 1536	8-SCS / 500	08 08 0420	SPL / 100	11 25 1139
11-PSN(B) / 500 (alt.)	11 08 1676	20-MCBC(R)-ST3 / 500 (alt.)	20 03 0975	8-SC-ST101 / 500	08 15 0886	T-10/20 / 1 (alt.)	24 21 1002
11-PSN(B)-8RT1 / 500	11 15 1817	20-MCBC(R)-ST3 / 500 (alt.)	20 03 0975	8-SC-ST101 / 500 (alt.)	08 15 0709	T-104 / 5 (alt.)	12 21 1001
11-PSN(B)-8RT1 / 500 (alt.)	11 15 1856	20-MCBC-ST3 / 500 (alt.)	20 03 1536	8-SC-ST15 / 500	08 15 0293	T-105 / 5 (alt.)	12 21 1001
11-PSN(B)-8RT1 / 500 (alt.)	11 15 1267	20-ST101 / 500 (alt.)	19 02 0693	8-SC-ST15 / 500 (alt.)	08 15 0427	T-105 / 5 (alt.)	12 21 1001
11-PSN(B)-ST1 / 500	11 15 1854	20-ST15 / 500 (alt.)	20 02 0591	8-ST101 / 500	08 02 0881	T-15/302 / 1 (alt.)	08 21 1000
11-PSN(B)-ST1 / 500 (alt.)	11 15 1151	20-ST3 / 500	20 02 0141	8-ST101 / 500 (alt.)	08 02 0563	T-200 / 5 (alt.)	08 21 1000
11-PSN(B)-ST101 / 500 (alt.)	11 15 1854	20-ST3HT / 100	20 02 0638	8-ST14 / 500 (alt.)	08 02 0103	T-25 / 1 (alt.)	12 21 1001
11-PSN(B)-ST1X / 500	11 15 1858	22-CV / 125	20 09 0297	8-ST143 / 500 (alt.)	08 02 0563	T-25 / 1 (alt.)	12 21 1001
11-PSN(B)-ST1X / 500 (alt.)	11 15 1269	22-SV / 200	20 09 1705	8-ST14X / 500 (alt.)	08 15 1449	T-28 / 5 (alt.)	24 21 1002
11-PSN(B)-T02 / 500 (alt.)	11 08 1676	24-SC-EPA / 100	24 08 0403	8-ST14X / 500 (alt.)	08 02 0039	T-55 / 5 (alt.)	15 21 1664
11-PSN(B)-TST1 / 500	11 15 1857	24-SCST / 100 (alt.)	24 04 0841	8-ST14X / 500 (alt.)	08 02 1448	TQG / 100	11 25 1922
11-PSN(B)-TST1 / 500 (alt.)	11 15 1268	24-ST3-EPA / 100	22 02 1108	8-ST15 / 500	08 02 0103	TQL / 100	11 25 1922
11-PSN(G)-ST1 / 500 (alt.)	11 15 1794	2-CV / 500	11 09 0476	8-ST15 / 500 (alt.)	08 02 0009	TTR / 100 (alt.)	11 24 1143
11-PSN(R)-T02 / 500 (alt.)	11 08 1676	2-CV(A) / 500	11 09 0477	8-SV / 200	15 09 1703	VAG / 100	11 24 1143
11-PSN(Y)-8RT1 / 500 (alt.)	11 15 1556	2-CV(A)-CP / 100	11 25 1097	8-SV(A) / 200	15 09 1774	VAL / 100	11 24 1143
11-PSN(Y)-ST1 / 500 (alt.)	11 15 1886	2-CV(A)-ST-CP / 100	11 25 1289	8-T02 / 1000	08 02 0177	WAL / 100	11 24 1143
11-PSN-ST1 / 500 (alt.)	11 15 1854	2-CV7-CP / 100	11 25 1139	8-TST1 / 500	08 02 0005		
11-ST14 / 500 (alt.)	11 02 0104	2-CVG / 500 (alt.)	11 09 0476	8-TST1 / 500 (alt.)	08 02 0005		

Cross-References should help you with the translation of supplier's article numbers to La-Pha-Pack® article numbers. However, this is not always possible 1:1. The indication "(alt.)" behind a cross-reference implies that the appropriate La-Pha-Pack® product is an alternative product which – in spite of technical differences to the indicated product – is suitable for the application. Our Customer Service department will be more than happy to explain to you the exact differences to the supplier's product.

It may quite be possible that for one competitor's product several La-Pha-Pack® products are indicated. In this case the most equivalent product is the one that has no additional remark "(alt.)".

Should the supplier's packaging unit diverge from the one of La-Pha-Pack®, we indicated the supplier's packaging unit behind the article number after a "/". The same is valid, if a supplier has different article numbers for different packaging units of one and the same product.

Not all of the indicated cross-references are included in our catalogue, as we only list the most popular ones there. Nevertheless, these products can be obtained from us. For some products for which we indicated cross-references some purchasing condition may have to be fulfilled, e.g. empty Aluminium caps can only be bought in combination with septa or stoppers, resp. for some septa minimum order quantities might be required.

Cross-References for 2in1 KITs have to be asked for separately, if they are not yet listed in here.

In case that you do not find a cross-reference, please kindly contact our Customer Service department.

We generally recommend to ask for cost-free samples for testing purposes, as even technically comparable products may differ in their optical appearance. We kindly ask for your understanding that we do not take over any guarantee for the correctness and completeness of the data indicated here.

CRS

CRS	La-Pha-Pack® Article No.
053101 / 100	05 09 1674
053151 / 100 (alt.)	05 09 0269
053159 / 100	05 09 0129
053161 / 100	05 09 0968
053852 / 200	05 09 0706
063011 / 100	06 09 0357
063101 / 100	06 09 0866
063151 / 100	06 09 0669
063161 / 100	06 09 0865
063201 / 100	08 09 0276
063211 / 100 (alt.)	08 09 0276
063251 / 100	08 09 0606
063951 / 100	40 09 0146
074011 / 500	08 09 0406
074061 / 100	08 09 0258
083002 / 200	08 09 0284
083061 / 100	08 09 1080
083542 / 200	08 14 0641
084001 / 100	08 09 0845
084242 / 200	08 14 0513
103201	11 09 0486
123101	11 09 0356
123111	11 25 1057
123121	11 25 1053
123135 (alt.)	11 23 1098
123153	11 09 0619
123157 (+ PTFE/Rubber Seal)	11 09 0620
123161 (alt.)	11 19 0933
123171 (alt.)	11 19 1022
123201	11 09 0184
123205	11 09 0210
123208	11 09 1241
123211A (alt.)	11 09 0477
123211L (alt.)	11 09 0477
123215	11 09 0259
123215L (alt.)	11 09 0382
123221	11 25 1753
123222	11 09 0476
123224	11 09 0477
123225 (alt.)	11 23 1046
123242	11 09 0500
123243	11 24 1920
123243 (alt.)	11 24 1049
123244	11 24 1050
123247	11 24 1052
123248	11 09 0519
123250	11 24 1143
123251	11 09 0415
123252	11 24 1238
123253	11 09 0520
123254	11 24 2049
123254 (alt.)	11 24 1528
123255	11 09 0417
123256	11 24 1342
123258	11 24 1930
123281	11 09 0921
123284 (alt.)	11 09 0921
123286	11 09 1956
123315 (alt.)	11 09 0419
123321 (alt.)	11 19 1707
123332 / 200	11 27 1063
123332 / 200 (alt.)	11 14 0544
123340	11 09 0419
123341	11 09 0627
123342	11 09 0382
123343 (alt.)	11 09 0645
123362 / 200	11 27 1064
123362 / 200 (alt.)	11 14 0545
123371	11 09 0644
123385 (alt.)	11 23 1280
123405	10 09 0743
123406 (alt.)	10 09 1197
123408	10 09 1196
123409	10 09 1197

CRS	La-Pha-Pack® Article No.
123415	10 32 1612
123415 (alt.)	10 32 1282
123425 / 100 (alt.)	11 14 1716
124001	11 09 0831
154505	13 09 0222
154506	13 09 1335
154507	13 09 1336
154515	13 09 0280
154515L (alt.)	13 09 1336
154525	13 28 1069
154535	13 28 1074
154541 / 200	15 27 1065
154541 / 200 (alt.)	15 14 0548
154545	13 28 1071
154555 (alt.)	13 09 1335
154565	13 14 1500
176003 / 200	15 09 1703
186054	25 16 0351
186055	25 16 0350
186057	25 16 0346
186058	25 16 0347
196503 / 200	15 09 1657
217003	18 09 1704
223801	20 09 0342
224601	20 09 1405
224604	20 09 0795
224608	18 09 1306
224609	18 09 1310
234115 / 100	11 18 0938
234125 / 100	12 18 0939
234905 / 100	09 18 0936
236115 / 50	11 18 0938
236125 / 50	12 18 0939
236905 / 50	09 18 0936
237501 (PE)	20 09 0297
237504 / 200	20 09 0796
237508	18 09 1307
237509	18 09 1311
237511	18 33 1426
237521	20 33 1617
237745	10 18 0937
237750	10 18 0937
271406 / 144	24 09 1089
275705	24 09 0589
275745 (alt.)	24 14 1513
275805	24 09 0927
279505	24 09 0402
279515	24 09 0928
279545	24 14 0976
279545 (alt.)	24 14 1621
300501 / 100	50 13 0147
308000	08 06 0005
308001	08 03 0451
308040	08 07 0001
308115	08 08 0027
308201	08 03 0165
308201	08 03 0249
308231	08 03 2042
308401	08 03 0113
308801	08 03 0268
309041	09 15 0982
309042	09 15 0867
309042	09 15 1819
309043	09 15 0838
309044	09 15 0869
309045	09 15 0868
309051	09 15 0867
309053	09 15 0868
309054	09 15 0838
309525	08 15 0427
309585	08 15 0294
310115	10 08 0742
311000	11 06 0006
311001	11 03 0209

CRS	La-Pha-Pack® Article No.
311040	11 07 0002
311201	11 03 0362
311231	11 03 1875
311261	11 15 1850
311271	11 15 1852
311401	11 03 0196
312115	13 08 0166
312415	13 08 0639
312715	13 15 0815
313000	13 06 0007
313001	13 03 0571
313040	13 07 0003
320000	20 06 0008
320040	20 07 0004
320121	20 03 0901
320122	20 03 0828
320123	20 03 1597
320124	18 03 1578
320125	18 03 1309
320126	18 03 1414
320128	18 03 1416
320421	20 03 0127
320521	20 03 0030
324115	24 08 0403
324415	24 15 1163
324415	24 04 0842
307001 / 100	08 02 0177
308515 / 100	08 02 0009
308515 / 100 (alt.)	08 02 0103
308565 / 100	08 02 1966
308715 / 100	08 02 0005
308915 / 100 (alt.)	08 02 0009
309030 / 100	09 02 1779
309040 / 100	09 02 1781
309525 (alt.)	08 15 0293
309715 / 100	08 02 0039
310001 / 100	11 02 0176
310005 / 100	10 02 0646
310515 / 100	09 02 0723
310515 / 100 (alt.)	09 02 1260
310615 / 100	09 02 1261
310815 / 100	09 02 1327
311001B (alt.)	11 03 0303
311001G (alt.)	11 03 0301
311001GO (alt.)	11 03 0304
311001R (alt.)	11 03 0302
311201 (alt.)	11 03 0247
311251 (alt.)	11 08 1676
311261 (alt.)	11 15 0635
311271 (alt.)	11 15 0637
311281 (alt.)	11 08 1676
311715 / 100	12 02 0463
312005 / 100	12 02 0168
312515 / 100	12 02 0143
312565 / 100 (alt.)	12 02 0223
312915 / 100 (alt.)	12 02 0143
320001 / 100	20 01 0408
320101 / 100	20 02 0638
320101 / 100 (alt.)	20 02 0141
320121 (alt.)	20 03 0142
320122 (alt.)	20 03 0163
320123 (alt.)	20 03 0665
320123 (alt.)	20 03 0975
320301 / 100	20 01 0114
320401 / 100	20 02 0122
320501 / 100	20 02 0035
320545 / 100	20 02 0141
320605 / 100 (alt.)	20 01 0664
320607 / 100	20 01 1531
322515 / 100	22 02 1108
322516 / 100 (alt.)	22 02 1108
322545 / 100 (alt.)	22 02 1108
868805 / 5 (alt.)	24 21 1002
868850 / 5 (alt.)	12 21 1001

Finneran

Finneran	La-Pha-Pack® Article No.
606050G-13	12 02 1994
9700-12B / 5 (alt.)	12 21 1001
30109G-1232 / 100	11 14 1189
30109P-1232	11 19 0932
30109T-1232	11 19 1021
30111G-1232 / 100	11 14 1190
30111G-1232A / 100	11 14 1656
30111P-1232	11 19 0933
30111T-1232	11 19 1022
30308-632 / 1000	08 09 0276
30509P-1232 (alt.)	11 19 1205
30608-730A / 1000	08 09 1080
30708-740A / 1000	08 09 0258
30808-740 / 1000	08 09 0405
30808-740A / 1000	08 09 0406
30808-830 / 100	08 09 0284
30808-840 / 100	08 09 0845
310020-2346	20 09 0795
310020A-2346	20 09 1405
31108-1232	11 09 0417
31111-1232	11 09 0415
31205-1965	15 09 1657
31508P-1232 (alt.)	11 19 1205
31509-1232	11 09 0620
31509P-1232	11 19 1205
31511-1232	11 09 0619
320020-2375	20 09 0796
320020A-2375	20 09 0297
320020A-2375	20 09 0873
32008-1232	11 09 0210
32008-1232A	11 09 0259
32008E-1232	11 09 0419
32008E-1232A	11 09 0382
32008E-12AB (alt.)	11 09 0382
32008E-12AG (alt.)	11 09 0382
32008E-12AR (alt.)	11 09 0382
32008E-12AY (alt.)	11 09 0382
32008E-12B (alt.)	11 09 0419
32008E-12G (alt.)	11 09 0419
32008E-12R (alt.)	11 09 0419
32008E-12Y (alt.)	11 09 0419
32008M-1232	11 09 0419
32008M-1232A	11 09 0382
32009-1232	11 09 0500
32009-1232A (alt.)	11 09 0520
32009E-1232	11 09 0519
32009E-1232A	11 09 0520
32009E-12AB (alt.)	11 09 0520
32009E-12AG (alt.)	11 09 0520
32009E-12AR (alt.)	11 09 0520
32009E-12AY (alt.)	11 09 0520
32009E-12B (alt.)	11 09 0519
32009E-12G (alt.)	11 09 0519
32009E-12R (alt.)	11 09 0519
32009E-12Y (alt.)	11 09 0519
32009M-1232	11 09 0519
32009M-1232A	11 09 0520
32010-1232	10 09 0743
32010-1232A (alt.)	10 09 1197
32010E-1232	10 09 1196
32010E-1232A	10 09 1197
32010E-12AB (alt.)	10 09 1197
32010E-12AG (alt.)	10 09 1197
32010E-12AR (alt.)	10 09 1197
32010E-12AY (alt.)	10 09 1197
32010E-12B (alt.)	10 09 1196
32010E-12G (alt.)	10 09 1196
32010E-12R (alt.)	10 09 1196
32010E-12Y (alt.)	10 09 1196
32010M-1232	10 09 1196
32010M-1232A	10 09 1197
32011-1232	11 09 0184
32011L-1232	11 09 0356
32011LE-1232	11 09 0476
32011LE-12B (alt.)	11 09 0476
32011LE-12G (alt.)	11 09 0476
32011LE-12R (alt.)	11 09 0476
32011LE-12Y (alt.)	11 09 0476
32011UM-1232	11 09 0476
32011S-1232	11 09 0627
32011S-1232A (alt.)	11 09 0645
32011SE-1232	11 09 0644
32011SE-12B (alt.)	11 09 0644
32011SE-12G (alt.)	11 09 0644
32011SE-12R (alt.)	11 09 0644
32011SE-12Y (alt.)	11 09 0644
32011SM-1232	11 09 0644
32111E-1232A	11 09 0477
32111E-12AB (alt.)	11 09 0477
32111E-12AG (alt.)	11 09 0477
32111E-12AR (alt.)	11 09 0477
32111E-12AY (alt.)	11 09 0477
32111E-12B (alt.)	11 09 0477
32111E-12G (alt.)	11 09 0477
32111E-12R (alt.)	11 09 0477
32111E-12Y (alt.)	11 09 0477
32111M-1232A	11 09 0477
32111SE-1232A	11 09 0645
32111SE-12AB (alt.)	11 09 0645
32111SE-12AG (alt.)	11 09 0645
32111SE-12AR (alt.)	11 09 0645
32111SE-12AY (alt.)	11 09 0645
32111SM-1232A	11 09 0645
32511-1240	11 09 0831
34013-1545	13 09 0222
34013-1545A	13 09 0280
34013E-1545	13 09 1335
34013E-1545A	13 09 1336
34013E-15AB (alt.)	13 09 1336
34013E-15AG (alt.)	13 09 1336

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34013E-15AR (alt.)	13 09 1336
34013E-15AY (alt.)	13 09 1336
34013E-15B (alt.)	13 09 1335
34013E-15G (alt.)	13 09 1335
34013E-15R (alt.)	13 09 1335
34013E-15Y (alt.)	13 09 1335
34013M-1545	13 09 1335
34013M-1545A	13 09 1336
36020-2238	20 09 0342
4000-530 / 100	05 13 0426
4000-638	50 13 0147
4005BS-425 (alt.)	05 09 0279
401-530 / 100 (alt.)	05 09 0279
401-531 / 100	05 09 0129
401-531 / 100	05 09 0269
401BS-530 / 100	05 09 0968
402-536 (alt.)	05 09 0706
4025-531 / 100	05 09 1674
4025-629 / 100	06 09 0357
4025-629 / 100	06 09 0669
4025BS-629 / 100	06 09 0865
4035-630 / 100	06 09 0866
403-638X	40 09 0146
403-639	40 09 0146
403BS-638X (alt.)	06 09 0651
4100-1232	11 09 0537
4100-1232A	11 09 0538
4100-1545	15 09 0539
4100-1545A	15 09 0540
4100-840	08 09 0483
4100-840A	08 09 0484
5100-20	20 01 0408
5100CT-20	20 01 0093
5100TA-20	20 01 0094
5110-08	08 03 0268
5110-11	11 03 0339
5140-08	08 03 0242
5140-08	08 03 0451
5140-11	11 03 1875
5140-11 (alt.)	11 03 0300
5140-11B	11 03 1986
5140-11B (alt.)	11 03 0303
5140-11G	11 03 1984
5140-11G (alt.)	11 03 0301
5140-11R	11 03 1985
5140-11R (alt.)	11 03 0302
5140-11XB (alt.)	11 03 0303
5140-11XG (alt.)	11 03 0301
5140-11XR (alt.)	11 03 0302
5140-11XY (alt.)	11 03 0304
5140-11Y	11 03 1987
5140-11Y (alt.)	11 03 0304
5140-13 (alt.)	13 03 0571
5140-20	20 03 0059
5141PR-20	20 03 0264
5142PR-20	20 03 0112
5143PR-20	20 03 0163
5143PR-20	20 03 0828
5144TP-20	20 03 1186
5144TP-20	20 03 0698
5145TP-20	20 03 0975
5145TP-20	20 03 0665
5146AL-20	20 03 0327
5146TPAL-20 (alt.)	20 03 1457
5150-08	08 03 0249
5150-11	11 03 0247
5150-11B	11 03 0667
5150-11G	11 03 1625
5150-11R	11 03 0666
5150-11Y	11 03 1624
5150-13	13 03 1017
5150-20	20 03 0142
5150-20	20 03 0901
5160-08	08 03 0113
5160-11	11 03 0196
5160-11B	11 03 0372
5160-11G	11 03 0370
5160-11R	11 03 0371
5160-11Y	11 03 0373
5170-11	11 03 0464
5190-08	08 03 0055
5190-08	08 03 0861
5190-11	11 03 0720
5190-11	11 03 0407
5200-08	08 08 1675
5200-11	11 08 1676
5200SB-11 (alt.)	11 08 1676
5200SB-11B (alt.)	11 08 1676
5200SB-11G (alt.)	11 08 1676
5200SB-11R (alt.)	11 08 1676
5200SB-11Y (alt.)	11 08 1676
5210-08 (alt.)	08 08 1675
5210-11 (alt.)	11 08 1676
5210-11B (alt.)	11 08 1676
5210-11G (alt.)	11 08 1676
5210-11R (alt.)	11 08 1676
5210-11Y (alt.)	11 08 1676
5240-08	09 15 0753
5240-11	11 15 1983
5240-11 (alt.)	11 15 1850
5240-11 (alt.)	11 15 0635
5240-11B	11 15 1817
5240-11B (alt.)	11 15 1856
5240-11B (alt.)	11 15 1267
5240-11G	11 15 1555
5240-11PP (alt.)	11 15 0635

Finneran	La-Pha-Pack® Article No.
5240-11R	11 15 1323
5240-11Y	11 15 1556
5250-08	09 15 0756
5250-11	11 15 1852
5250-11 (alt.)	11 15 0637
5250-11B	11 15 1854
5250-11B (alt.)	11 15 1151
5250-11G	11 15 2017
5250-11PP (alt.)	11 15 0637
5250-11R	11 15 1325
5250-11Y	11 15 1886
5260-11	11 15 1851
5260-11 (alt.)	11 15 0636
5260-11B	11 15 1857
5260-11B (alt.)	11 15 1268
5260-11G	11 15 2018
5260-11PP (alt.)	11 15 0636
5260-11R	11 15 1324
5260-11Y	11 15 1677
5270-11 (alt.)	11 15 0650
5270-11 (alt.)	11 15 1853
5275-11	11 15 1853
5275-11 (alt.)	11 15 0650
5290-11	11 15 1602
5310-08W	08 08 0436
5310-10	10 08 0742
5310-13	13 08 0166
5310-13W	13 08 0639
5310L-08	08 08 0027
5320-08	08 08 0420
5320-10	10 08 1899
5320-13	13 08 0336
5394-09	09 15 2013
5394-09	09 15 1570
5394-09B	09 15 1819
5394-09B	09 15 0867
5394-09F	09 15 2013
5394-09F	09 15 1570
5394-09FG	09 15 1911
5394-09FG	09 15 1356
5394-09FN	09 15 2011
5394-09FN	09 15 0478
5394-09FR	09 15 2012
5394-09FR	09 15 1176
5394-09FRB	09 15 1819
5394-09FRB	09 15 0867
5394-09FY	09 15 2014
5394-09FY	09 15 1542
5394-09G	09 15 1911
5394-09G	09 15 1356
5394-09N	09 15 2011
5394-09N	09 15 0478
5394-09R	09 15 2012
5394-09R	09 15 1176
5394-09Y	09 15 2014
5394-09Y	09 15 1542
5395-09	09 15 1572
5395-09B	09 15 0838
5395-09F	09 15 1572
5395-09FG	09 15 1332
5395-09FN	09 15 0481
5395-09FR	09 15 1178
5395-09FRB	09 15 0838
5395-09FY	09 15 1527
5395-09G	09 15 1332
5395-09N	09 15 0481
5395-09R	09 15 1178
5395-09Y	09 15 1527
5396-09	09 15 1571
5396-09B	09 15 0868
5396-09F	09 15 1571
5396-09FG	09 15 1485
5396-09FN	09 15 0480
5396-09FR	09 15 1177
5396-09FRB	09 15 0868
5396-09G	09 15 1485
5396-09N	09 15 0480
5396-09R	09 15 1177
5396-09Y	09 15 1486
5396-FY	09 15 1486
5397-09	09 15 1669
5397-09B	09 15 0869
5397-09F	09 15 1669
5397-09FG	09 15 1746
5397-09FN	09 15 0852
5397-09FR	09 15 1179
5397-09FRB	09 15 0869
5397-09FY	09 15 1745
5397-09G	09 15 1746
5397-09N	09 15 0852
5397-09R	09 15 1179
5397-09Y	09 15 1745
5400SB-08	08 08 1167
5400SB-08	08 08 0488
5400SB-08 (alt.)	08 08 1167
5400SB-08 (alt.)	08 08 0488
5400SB-12	12 08 0546
5400SB-15	15 08 0547
5610-11 (alt.)	11 08 1676
5640-11 (alt.)	11 15 1983
5640-11 (alt.)	11 15 1850
5640-11 (alt.)	11 15 0635
5650-11 (alt.)	11 15 1852
5650-11 (alt.)	11 15 0637
5660-11 (alt.)	11 15 1851
5660-11 (alt.)	11 15 0636

Finneran	La-Pha-Pack® Article No.
601010-08	08 02 0177
601010-09	09 02 0980
601010-10	10 02 0646
601010-13	12 02 0168
603090-08	08 02 0774
603570-08	08 02 0039
604040-08	08 02 0232
604040-09	09 02 1818
604040-09 (alt.)	09 02 1779
604040-10 (alt.)	09 02 1259
604050-09	09 02 1780
604060-08	08 02 0005
604060-09	09 02 1781
604060-10	09 02 1261
604060-13	12 02 0463
604070-10 (alt.)	09 02 1327
604550-08	08 02 0103
606040-13 (alt.)	12 02 0223
606050-10	09 02 0723
606050-13	12 0

National Scientific

National Scientific	La-Pha-Pack® Article No.	National Scientific	La-Pha-Pack® Article No.	National Scientific	La-Pha-Pack® Article No.	National Scientific	La-Pha-Pack® Article No.	National Scientific	La-Pha-Pack® Article No.
B7807-13/100	13 08 0166	C4000-72Y/100 (alt.)	09 04 1534	C4010-S629/100 (alt.)	06 09 1240	C4011-88/500	11 25 1053	C4015-643/100	40 09 0146
B7807-15/100	15 08 1783	C4000-75C/100 (alt.)	09 04 1534	C4010-S630/100	06 09 1343	C4011-88A/500 (alt.)	11 25 1097	C4015-67A/100 (alt.)	13 15 0815
B7807-18/100	18 08 0516	C4000-78A/100 (alt.)	09 15 0982	C4011-1	11 09 0356	C4011-88AW/500	11 25 1097	C4015-69A/100 (alt.)	13 15 1293
B7807-24/100	24 08 0403	C4000-78W (alt.)	11 24 1859	C4011-1.7CB/1000	11 09 0415	C4011-88W/500	11 25 1139	C4015-75 (alt.)	12 02 0143
B7807-8/100	08 08 0027	C4000-80/100	11 24 1920	C4011-1240/1000	11 09 0831	C4011-9/100	11 09 0619	C4015-75A/100	13 15 0815
B7920/100 (alt.)	24 14 1513	C4000-80/100 (alt.)	11 24 1049	C4011-15/1000	11 19 1707	C4011-92/100	11 25 1055	C4015-75W/100	13 15 1498
B7920-C (alt.)/72	24 14 1513	C4000-80W/100 (alt.)	11 24 1929	C4011-16/100	11 19 0933	C4011-92AW/100	11 25 1289	C4015-88/100	13 28 1069
B7920-C3 (alt.)/72	24 14 1513	C4000-82W/100	11 24 2049	C4011-1A/1000	11 03 0209	C4011-92W/100	11 25 1922	C4015-90AW	13 28 1076
(certif.)		C4000-82W/100 (alt.)	11 24 1528	C4011-1AP/100	11 03 0209	C4011-94/100	11 25 1057	(val with label)	
B7920-VO/100	24 09 0589	C4000-86/100	11 24 1052	C4011-1CV/100	11 31 1469	C4011-94AW/100	11 25 1924	C4015-93/100	13 28 1071
B7921-VO/100	24 09 0927	C4000-86W/100	11 24 1446	C4011-1W	11 09 0476	C4011-94W/100	11 25 1921	C4015-96/200	08 27 1672
B7950/100	24 14 0976	C4000-87/100	11 24 1476	C4011-2 (alt.)	11 09 0477	C4011-98B (alt.)	11 03 0303	C4015-96/200 (alt.)	08 27 1670
B7950/100 (alt.)	24 14 1621	C4000-88W/100	11 24 1930	C4011-2A	11 03 0196	C4011-98G (alt.)	11 03 0301	C4015-96/200 (alt.)	08 14 1168
B7950-1A/100	24 08 0403	C4000-9/100	11 09 0620	C4011-2W	11 09 0477	C4011-98R (alt.)	11 03 0302	C4015-96/200 (alt.)	08 14 0513
B7950-26	22 02 0161	C4000-92/100	11 24 1050	C4011-2WCV/100	11 31 1596	C4011-98Y (alt.)	11 03 0304	C4015-96A/100 (alt.)	05 09 0706
B7950-C (alt.)/72	24 14 1621	C4000-92W/100	11 24 1143	C4011-3A (alt.)	11 03 0339	C4011-LV1/100 (alt.)	11 14 1190	C4015-96VO	08 09 0483
B7950-C/72	24 14 0976	C4000-93W/100 (alt.)	11 24 1860	C4011-4A	11 03 0247	C4011-LV1/100 (alt.)	11 09 0921	C4015-97	08 08 0488
B7950-C3 (alt.)/72	24 14 1621	C4000-94W/100	11 24 1342	C4011-4A (alt.)	11 03 0362	C4011-LV1W/100	11 09 0921	C4015-99/200	08 27 1673
(certif.)		C4000-95/100	11 24 1051	C4011-4B	11 03 0667	C4011-LV2/100 (alt.)	11 14 1656	C4015-99/200 (alt.)	08 27 1671
B7950-C3/72 (certif.)	24 14 0976	C4000-95W/100	11 24 1238	C4011-4G	11 03 1625	C4011-LV2/100 (alt.)	11 09 1956	C4015-99/200 (alt.)	08 14 1169
B7950-VO/100	24 09 0402	C4000-96W/100	11 24 1573	C4011-4R	11 03 0666	C4011-LV2W/100	11 09 1956	C4015-99/200 (alt.)	08 14 0595
B7951/100	24 14 1094	C4000-97/100	11 24 1130	C4011-4Y	11 03 1624	C4011-S631	06 09 1791	C4015-99VO	08 09 0484
B7951-C/72	24 14 1094	C4000-99/100 (alt.)	09 15 1887	C4011-5/100	11 09 0627	C4011-S631/500	06 09 1792	C4020-10/100 (alt.)	20 09 0795
B7951-C3/72 (certif.)	24 14 1094	C4000-992 (alt.)	11 24 1862	C4011-50 (alt.)	11 08 1676	C4012-1/100	11 09 0184	C4020-100	20 06 0008
B7951-VO/100	24 09 0928	C4000-995/100	11 24 1129	C4011-50B	11 08 1676	C4012-100	11 06 0006	C4020-100F	20 06 0043
B7955-13	12 02 0143	C4000-99PT	11 24 1622	C4011-50G (alt.)	11 08 1676	C4012-102	11 07 0002	C4020-102	20 07 0004
B7955-13/100	12 02 1994	C4000-IV1/100 (alt.)	11 14 1189	C4011-50R (alt.)	11 08 1676	C4012-15/100	11 14 1190	C4020-2 (alt.)	20 09 0873
B7955-13/100 (alt.)	12 02 0143	C4000-IV1/100 (alt.)	11 09 0999	C4011-50Y (alt.)	11 08 1676	C4012-25 (alt.)	12 21 1001	C4020-2/100	20 09 0297
B7955-15/100 (alt.)	13 02 1018	C4000-IV1W/100	11 09 0999	C4011-51/100	11 15 1983	C4012-465/500	05 09 1674	C4020-20/100 (alt.)	20 09 0796
B7955-18/100 (alt.)	16 02 2068	C4000-IV2/100 (alt.)	11 09 1957	C4011-51/100 (alt.)	11 15 1850	C4012-529L/100	05 09 0269	C4020-210/100 (alt.)	20 09 1405
B7955-18/100 (alt.)	16 02 0870	C4000-IV2/100 (alt.)	11 14 1655	C4011-51B/100	11 15 1817	C4012-530/100	05 09 0968	C4020-25/100	20 09 0796
B7955-20/100 (alt.)	19 05 1806	C4000-IV2W/100	11 09 1957	C4011-51B/100 (alt.)	11 15 1267	C4012-531L/100 (alt.)	05 09 0129	C4020-30/1000	20 10 0290
B7955-24/100 (alt.)	22 02 1013	C4000-S1/100	11 09 1241	C4011-51B/100 (alt.)	11 15 1856	C4012-88/500	11 25 1753	C4020-32/100 (alt.)	20 02 0638
B7955-26/100	22 02 1108	C4000-S1W/100 (alt.)	11 09 1241	C4011-51G/100 (alt.)	11 15 1555	C4013-015A/100	11 14 1716	C4020-32/100 (alt.)	20 02 0141
B7955-8/100 (alt.)	08 02 0009	C4000-S2W/100	11 09 1242	C4011-51R/100 (alt.)	11 15 1323	(alt.)		C4020-32A/100	20 03 0901
B7955-8/100 (alt.)	08 02 0103	C4008-1/200	08 09 0284	C4011-51Y/100 (alt.)	11 15 1556	C4013-1/100	11 09 0210	C4020-32A/100 (alt.)	20 03 0142
B7959-1/100	11 09 0210	C4008-10/100 (alt.)	08 08 1675	C4011-52 (alt.)	11 08 1676	C4013-10/1000	08 02 0177	C4020-32AP/100	20 03 0828
B7959-12/200	15 09 1657	C4008-100	08 06 0005	C4011-52B (alt.)	11 08 1676	C4013-100	13 06 0007	C4020-32AP/100 (alt.)	20 03 0163
B7959-12A/200	15 09 1800	C4008-102	08 07 0001	C4011-52G (alt.)	11 08 1676	C4013-100F	13 06 0069	C4020-34/100	20 02 0057
B7959-1A/100	11 09 0259	C4008-1A/200	08 03 0451	C4011-52R (alt.)	11 08 1676	C4013-102	13 07 0003	C4020-34A/100 (alt.)	20 03 0059
B7959-2/100	13 09 0222	C4008-2A/200	08 03 0113	C4011-52Y (alt.)	11 08 1676	C4013-15/100	11 23 1046	C4020-34AP/100 (alt.)	20 03 0112
B7959-2A/100	13 09 0280	C4008-4A/200	08 03 0249	C4011-53/100	11 15 1851	C4013-1500/1000	11 09 0210	C4020-36/100	20 02 0035
B7959-3/200	15 09 1703	C4008-50/1000	08 14 0641	C4011-53B/100	11 15 1857	C4013-15A/100	11 14 1716	C4020-36A/100	20 03 0030
B7959-3A/200	15 09 1774	C4008-50C	08 08 0605	C4011-53B/100 (alt.)	11 15 1268	C4013-16/100	11 23 1048	C4020-36AP/100	20 03 0264
B7959-4/200	18 09 1704	C4008-632C/100	08 09 0606	C4011-53G/100 (alt.)	11 15 2018	C4013-17/100	11 23 1098	C4020-37/100	20 02 0335
B7959-5/200	20 09 1705	C4008-632R/100	08 09 0276	C4011-53R/100 (alt.)	11 15 1324	C4013-1A/100	08 08 0027	C4020-37AP/100	20 03 0326
B7959-6/100	24 09 0402	C4008-6A/1000	08 03 0268	C4011-53Y/100 (alt.)	11 15 1677	C4013-1W/100	11 09 0419	C4020-38A/100	20 03 1597
B7959-6A/100	24 09 0928	C4008-730/100	08 09 1080	C4011-54/100	11 15 1852	C4013-2/100	11 09 0259	C4020-38A/100 (alt.)	20 03 0665
C4000-1/100	11 09 0500	C4008-739/100	08 09 0305	C4011-54B/100	11 15 1851	C4013-2W/100	11 09 0382	C4020-39A/100	20 03 0059
C4000-11/100	11 19 0932	C4008-740/100	08 09 0258	C4011-54B/100 (alt.)	11 15 1151	C4013-30/100	08 02 1966	C4020-3A/1000	20 01 0408
C4000-180/100	11 14 1906	C4008-741/100	08 09 0405	C4011-54G/100 (alt.)	11 15 2017	C4013-30/100 (alt.)	08 02 0355	C4020-3M/1000	20 01 0664
C4000-196W/100	11 14 1841	C4008-742/100	08 09 0406	C4011-54R/100 (alt.)	11 15 1325	C4013-30A/100	08 15 1965	C4020-40/100	20 02 0122
C4000-1W/100	11 09 0519	C4008-8A/1000	08 03 2042	C4011-54Y/100 (alt.)	11 15 1886	C4013-30A/100 (alt.)	08 15 0460	C4020-410/100	20 09 0795
C4000-2W/100	11 09 0520	C4010-1/100	10 09 0743	C4011-55/100	11 15 1853	C4013-32/100	08 02 0039	C4020-42A/100	20 03 0665
C4000-30/100	09 02 1818	C4010-10/1000	10 02 0646	C4011-55/100 (alt.)	11 15 0650	C4013-32A	11 14 1739	C4020-42AP/100	20 03 0163
C4000-30/100	09 02 1818	C4010-10/1000 (alt.)	09 02 0980	C4011-55B/100	11 15 1858	C4013-40/100	08 02 0005	C4020-43A/100	20 03 0698
C4000-30/100 (alt.)	09 02 1779	C4010-17W (alt.)	10 14 1286	C4011-55B/100 (alt.)	11 15 1269	C4013-40A/100	08 15 0294	C4020-43AP/100	20 03 0112
C4000-387 (alt.)	11 24 1864	C4010-1W/100	10 09 1196	C4011-55G/100 (alt.)	11 15 1794	C4013-60/100	08 02 1003	C4020-5A/1000	20 01 0094
C4000-40/100	09 02 1781	C4010-2/100 (alt.)	10 09 1197	C4011-55R/100 (alt.)	11 15 1326	C4013-60/100 (alt.)	08 02 0009	C4020-6/100 (alt.)	20 09 0342
C4000-51A/100	09 15 2013	C4010-2W/100	10 09 1197	C4011-55Y/100 (alt.)	11 15 1793	C4013-60A/100	08 15 0293	C4020-60/100 (alt.)	20 09 0342
C4000-51A/100 (alt.)	09 15 1570	C4010-30/100 (alt.)	09 02 1259	C4011-56/100	11 15 1602	C4013-60A/100 (alt.)	08 15 0427	C4020-6A/1000	20 01 0114
C4000-51B/100	09 15 1819	C4010-30A (alt.)	10 15 1256	C4011-59/100 (alt.)	11 15 1620	C4013-60TW/1000	08 02 1448	C4028-100	28 06 0320
C4000-51B/100 (alt.)	09 15 0867	C4010-35/100	09 02 1260	C4011-5A	11 03 0720	C4013-65A/100	08 15 0293	C4028-102	28 07 0092
C4000-51G/100	09 15 1911	C4010-35BLK/100	10 15 1257	C4011-5W/100	11 09 0644	C4013-69A/100 (alt.)	08 15 1449	C4032-100	32 06 0135
C4000-51G/100 (alt.)	09 15 1356	C4010-35W/100 (alt.)	10 15 1257	C4011-6/100 (alt.)	11 09 0645	C4013-77A/100 (alt.)	08 15 1449	C4032-102	32 07 0078
C4000-51R/100	09 15 2012	C4010-40/100	09 02 1261	C4011-61	11 15 0635	C4015-017/100	13 14 1500	CERT4000-176W (alt.)	11 14 1867
C4000-51R/100 (alt.)	09 15 1176	C4010-40A/100 (alt.)	10 15 1258	C4011-63/100	11 15 0636	C4015-1/100	13 09 0222	CERT4000-25W (alt.)	11 24 1861
C4000-51Y/100	09 15 2014	C4010-55/100	09 02 1327	C4011-631/500	06 09 0866	C4015-10/100	12 02 0168	CERT4000-78W (alt.)	11 24 1859
C4000-51Y/100 (alt.)	09 15 1542	C4010-55A/100 (alt.)	10 15 1328	C4011-64/100	11 15 0637	C4015-1050A (alt.)	13 15 0815	CERT4000-79W (alt.)	11 24 1863
C4000-53A/100	09 15 1571	C4010-55BLK/100	10 15 1328	C4011-6A	11 03 0339	C4015-11W/100	13 09 1335	CERT4000-80	11 24 1920
C4000-53B/100	09 15 0868	C4010-60/100	09 02 1260	C4011-6W	11 09 0645	C4015-17/100	13 14 1500	CERT4000-86W	11 24 1446
C4000-53G/100	09 15 1485	C4010-60/100 (alt.)	09 02 0723	C4011-72 (alt.)	11 26 1059	C4015-1A/100	13 08 0166	CERT4000-92W	11 24 1143
C4000-53R/100	09 15 1177	C4010-60A/100 (alt.)	10 15 1257	C4011-72AW (alt.)	11 26 1444	C4015-1AP/144 (alt.)	13 03 0571	CERT4000-93W (alt.)	11 24 1860
C4000-53Y/100	09 15 1486	C4010-60AR/1000	10 15 1257	C4011-72W (alt.)	11 26 1925	C4015-1W/100	13 08 0639	CERT4000-992 (alt.)	11 24 1862
C4000-54A/100									

SUN-SRi

SUN-SRi	La-Pha-Pack® Article No.	SUN-SRi	La-Pha-Pack® Article No.	SUN-SRi	La-Pha-Pack® Article No.	SUN-SRi	La-Pha-Pack® Article No.	SUN-SRi	La-Pha-Pack® Article No.
200 052/100	11 14 1190	200 778/100	50 13 0147	500 067/100	10 15 0744	500 798 (alt.)	11 24 1446	501 382/1000 (alt.)	11 15 1325
200 670/1000	06 09 0866	200 835/100 (alt.)	15 15 0793	500 068/100 (alt.)	08 15 1965	500 822/1000	09 02 1780	501 383/1000 (alt.)	11 15 1854
200 000/100 (alt.)	11 09 0184	200 846/100 (alt.)	24 15 1540	500 068/100 (alt.)	08 15 0460	500 824/1000	09 02 1781	501 383/1000 (alt.)	11 15 0637
200 000/100 (alt.)	11 09 0476	200 898/100	20 09 0796	500 072/100	11 27 1063	500 854 (alt.)	11 09 0921	501 383/1000 (alt.)	11 15 1151
200 001/2000 (alt.)	11 09 0184	200 900/100	24 09 0402	500 072/100	11 14 0544	500 855 (alt.)	11 09 1956	501 384/1000 (alt.)	11 15 1269
200 004/100	11 25 1753	200 902/100	24 09 0928	500 073 (alt.)	08 15 0441	500 864/1000	12 02 0322	501 384/1000 (alt.)	11 15 1856
200 022	11 09 0538	200 911/100 (alt.)	24 14 1094	500 073/100	08 15 1024	500 866/1000	13 15 1293	501 384/1000 (alt.)	11 15 0650
200 024	11 14 0545	200 912/100 (alt.)	24 14 0976	500 092	11 09 0619	500 866/1000 (alt.)	13 15 1293	501 384/1000 (alt.)	11 15 1326
200 034/100	08 09 0276	200 913/100	24 14 0976	500 102/1000	11 19 0933	500 867/100	13 15 1293	501 385/1000 (alt.)	11 15 0636
200 100/1000	11 03 1875	200 920/100 (alt.)	22 02 1108	500 106/100	11 19 0933	500 868/1000	08 02 0039	501 385/1000 (alt.)	11 15 1851
200 100/1000	11 03 0209	200 932/1000	20 10 0290	500 108/1000	11 19 1707	500 870/100	08 02 0039	501 385/1000 (alt.)	11 15 1324
200 100/1000 (alt.)	11 03 0300	200 952/100	20 02 0638	500 112/100	11 19 1707	500 872/1000	09 02 1327	501 386/1000 (alt.)	11 15 1857
200 104/100	11 03 1875	200 953/1000	20 02 0638	500 132/100	08 09 0606	500 874/100	09 02 1327	501 386/1000 (alt.)	11 15 0636
200 104/100	11 03 0209	200 956/100 (alt.)	19 02 0693	500 135/100	08 09 1080	500 890/1000	09 02 0723	501 386/1000 (alt.)	11 15 1268
200 104/100 (alt.)	11 03 0300	200 958/1000 (alt.)	20 02 1348	500 141 (96 Position)	08 21 1000	500 892/100	09 15 1485	501 387/1000 (alt.)	11 08 1676
200 118/1000 (alt.)	11 03 1986	200 962/100	20 02 0141	500 142 alt.	12 21 1001	500 894/100	09 02 0723	501 500/100	11 19 1205
200 118/1000 (alt.)	11 03 0303	200 972	20 06 0008	500 144	15 21 1664	500 900	06 09 0865	501 502/1000	11 19 1205
200 122/100 (alt.)	11 03 1986	200 998/1000 (alt.)	20 01 0408	500 162/100 (alt.)	08 15 1449	500 918	05 09 0968	501 504/100	11 19 1516
200 122/100 (alt.)	11 03 0303	201 006/1000	20 01 0094	500 178/100	22 02 1108	500 922/100	11 09 0519	501 506/1000	11 19 1516
200 124/1000 (alt.)	11 03 1984	201 611/1000	10 02 0646	500 180/1000	22 02 1108	500 924/100	11 09 0520	501 790/100	09 15 1332
200 124/1000 (alt.)	11 03 0301	201 800/200	08 09 0284	500 188/100 (alt.)	05 09 0706	501 067/1000	10 15 0744	502 009	11 09 0999
200 128/100 (alt.)	11 03 1984	201 828/1000	08 03 0451	500 196	11 09 0415	501 092 (alt.)	11 09 0619	502 011	11 09 0921
200 128/100 (alt.)	11 03 0301	201 828/1000 (alt.)	08 03 1395	500 212 (alt.)	11 14 1190	501 224/1000	09 15 1170	502 023/500	08 09 0305
200 130/1000 (alt.)	11 03 1985	201 876/1000	08 03 0113	500 224/1000	08 08 1675	501 300/100	11 09 0644	502 024/500	08 09 0258
200 130/1000 (alt.)	11 03 0302	201 892	08 06 0005	500 262/100	09 04 1534	501 302/100	11 09 0645	502 025	08 09 0405
200 134/100 (alt.)	11 03 1985	201 916/1000	08 14 0641	500 272/100	20 03 0901	501 304/100 (alt.)	06 09 0357	502 026/500	08 09 0406
200 134/100 (alt.)	11 03 0302	203 498/100 (alt.)	15 09 1703	500 272/100	20 03 0142	501 305/100 (alt.)	06 09 1240	502 044/500	11 09 0417
200 136/1000 (alt.)	11 03 1987	203 501/200	15 09 1657	500 300/100	11 09 0476	501 310/1000	11 03 0247	502 052/500	11 03 0885
200 136/1000 (alt.)	11 03 0304	203 503/100	24 09 0589	500 301/2000	11 09 0476	501 311/100	11 03 0247	502 052/500 (alt.)	11 03 0588
200 140/100 (alt.)	11 03 1987	203 507/100	11 09 0620	500 302/100	11 09 0477	501 312/100 (alt.)	11 15 0635	502 070	11 03 0339
200 140/100 (alt.)	11 03 0304	203 543/100 (alt.)	15 15 1989	500 304 (alt.)	06 09 0669	501 312/100 (alt.)	11 15 1983	502 078/500	11 15 1852
200 148/1000	11 03 0196	203 545/100 (alt.)	18 15 1387	500 306/100	10 09 1196	501 312/100 (alt.)	11 15 1850	502 078/500	11 15 0637
200 152/100	11 03 0196	203 571/100 (alt.)	12 02 0143	500 307/1000	10 08 0742	501 312/100 (alt.)	11 15 1323	502 080 (alt.)	11 08 1676
200 154/1000	11 03 0247	203 573/100 (alt.)	16 02 0870	500 309/100	10 08 0742	501 313/100 (alt.)	11 15 1852	502 145/500 (alt.)	20 03 0142
200 158/100	11 03 0247	312 050	24 08 0403	500 322/100	10 09 1197	501 313/100 (alt.)	11 15 0637	502 146/500	20 02 1244
200 164/100	11 03 0318	400 915/100	20 03 0264	500 324 (alt.)	06 09 1240	501 313/100 (alt.)	11 15 1325	502 147/500 (alt.)	20 02 0335
200 204/1000	11 08 1676	405 029/100 (alt.)	18 03 1309	500 334/1000	20 01 0408	501 314/100 (alt.)	11 15 1854	502 156	20 02 0591
200 205/1000	11 15 0637	405 031/100 (alt.)	18 03 1414	500 336/1000	20 01 0114	501 314/100 (alt.)	11 15 0637	502 158/250	20 02 0638
200 228/1000	05 09 1674	405 032/125	20 09 0342	500 350/1000	13 15 0996	501 314/100 (alt.)	11 15 1151	502 180/500 (alt.)	08 03 0249
200 232/500	05 09 1674	405 033/1000 (alt.)	20 03 1536	500 352/100	13 15 0996	501 315/100 (alt.)	11 15 1857	502 182/500	08 03 0884
200 238	05 09 0129	405 034/100	20 09 1405	500 361/100 (alt.)	08 15 0293	501 315/100 (alt.)	11 15 0636	502 182/500 (alt.)	08 03 0599
200 246	11 06 0006	405 035/100 (alt.)	18 03 1416	500 362/100 (alt.)	10 15 1328	501 315/100 (alt.)	11 15 1268	502 184/500	08 03 0249
200 250/100	11 09 0419	405 038/1000	20 01 0664	500 400/100	11 15 1886	501 316	11 15 1151	502 192/1000	08 03 0268
200 252/100	11 09 0382	405 039/500 (alt.)	20 03 1536	500 410/1000	11 15 1324	501 316/100	11 15 1854	502 218/500 (alt.)	08 02 0881
200 288/1000	08 08 0027	405 043/500	20 03 1536	500 440	08 07 0001	501 317/100 (alt.)	11 15 1269	502 218/500 (alt.)	08 02 0563
200 292/100	08 08 0027	405 044/1000	20 02 0057	500 442	11 07 0002	501 317/100 (alt.)	11 15 1856	502 289/25	11 18 0938
200 299/1000	08 08 0436	405 048/100	20 02 0057	500 444	13 07 0003	501 317/100 (alt.)	11 15 0650	502 290/25	12 18 0939
200 330 (alt.)	11 05 0654	405 050/1000	20 03 0059	500 446	20 07 0004	501 317/100 (alt.)	11 15 1326	502 291/25	17 18 0940
200 332/1000	08 02 0009	405 054/100	20 03 0059	500 461/100	09 04 1220	501 318/100 (alt.)	11 15 0636	502 293/25	09 18 0936
200 336/100	08 02 0009	405 060/100	20 03 0698	500 462/100 (alt.)	13 15 1293	501 318/100 (alt.)	11 15 1851	502 294/25	07 18 0935
200 344/1000 (alt.)	08 02 0103	405 061/100	20 02 0035	500 476/1000 (alt.)	20 01 0408	501 318/100 (alt.)	11 15 1324	502 295/25	11 18 0938
200 344/1000 (alt.)	08 02 0009	405 062/100	20 03 0030	500 488/100	09 09 0795	501 319/100 (alt.)	11 08 1676	502 298/25	09 18 0936
200 348/100 (alt.)	08 02 0103	405 063/1000	20 02 0035	500 550/100	20 09 0873	501 320/100 (alt.)	11 08 1676	502 299/25	07 18 0935
200 348/100 (alt.)	08 02 0009	41225-GM/100	25 16 1587	500 561/100 (alt.)	10 15 1257	501 326 (alt.)	11 26 1062	502 326/500	08 09 0405
200 350/100 (alt.)	08 02 0881	42225-CA/100 (alt.)	25 16 0348	500 572/1000	13 08 0166	501 327 (alt.)	11 26 1059	502 327/500	08 09 0406
200 350/100 (alt.)	08 02 0563	42225-NB/10000	25 16 1550	500 578/1000	13 08 0639	501 329 (alt.)	11 26 1444	502 370/500 (alt.)	20 01 1531
200 368/1000	08 02 0177	42225-NB/5000	25 16 1550	500 584	11 25 1053	501 335/100 (alt.)	11 09 1241	502 370/500 (alt.)	20 01 1531
200 380/1000	08 02 0005	42225-NC/500	25 16 1550	500 584	11 25 1054	501 340/100	11 09 0999	502 418/500	11 03 0667
200 384/100	08 02 0005	42225-NN/100	25 16 1550	500 586	11 25 1097	501 342/100	11 09 0620	502 457/100 (alt.)	09 15 0838
200 402 (alt.)	11 23 1100	42225-NP/100	25 16 1546	500 602/250	08 27 1672	501 344/100	09 15 1669	502 459/100	18 09 1307
200 404 (alt.)	11 23 1280	42225-PB/5000	25 16 1546	500 602/250	08 14 1168	501 345/100	09 15 1177	502 460/125	18 09 1306
200 405/100	10 14 1286	42225-PC	25 16 1546	500 602/250 (alt.)	08 27 1670	501 346/100	09 15 1571	502 466/500 (alt.)	09 15 2013
200 408 (alt.)	11 14 0630	42225-PV/100	25 16 1552	500 602/250 (alt.)	08 14 0513	501 347/100	09 15 2014	502 466/500 (alt.)	09 15 1570
200 422 (alt.)	11 23 1085	42225-PVB/10000	25 16 1552	500 604/250	08 27 1673	501 347/100 (alt.)	09 15 1542	502 546/100	20 09 1691
200 488	13 06 0007	44525-CA/100 (alt.)	25 16 0349	500 604/250	08 14 1169	501 348/100	09 15 1911	502 554/100	20 09 1690
200 492/100	13 09 1335	44525-NB/10000	25 16 1551	500 604/250 (alt.)	08 27 1671	501 348/100 (alt.)	09 15 1356	502 790/100	09 15 1178
200 494/100	13 09 1336	44525-NB/5000	25 16 1551	500 604/250 (alt.)	08 14 0595	501 349/100	09 15 2012	502 796 (alt.)	11 24 1342
200 498/100	15 27 1065	44525-NC/500	25 16 1551	500 634/2000	08 27 1672	501 349/100 (alt.)	09 15 1176	503 009/100 (alt.)	20 02 1466
200 498/100	15 14 0548	44525-NN/100	25 16 1551	500 634/2000	08 14 1168	501 350/100	09 15 2013	503 012 (alt.)	11 19 1022
200 510/100	15 27 1066	44525-NP/100	25 16 1547	500 634/2000 (alt.)	08 27 1670	501 350/100 (alt.)	09 15 1570	503 014/100 (alt.)	10 15 1257
200 510/100	15 14 0562	44525-PB/10000	25 16 1547	500 634/2000 (alt.)	08 14 0513	501 351/100	09 15 1819	503 790/100	09 15 1572
200 514/100	10 32 1283	44525-PC/500	25 16 1547	500 636/2000	08 27 1673	501 351/100 (alt.)	09 15 0867	504 368/500 (alt.)	20 01 1531
200 516/100	10 32 1331	44525-PV/100 (alt.)	25 16 1553	500 636/2000	08 14 1169	501 352/100 (alt.)	09 15 1135	504 370/1000	20 01 1531
200 564/1000 (alt.)	13 15 0439	44525-PVB/10000	25 16 1553						

Wheaton

Wheaton	La-Pha-Pack® Article-No.	Wheaton	La-Pha-Pack® Article-No.	Wheaton	La-Pha-Pack® Article-No.	Wheaton	La-Pha-Pack® Article-No.	Wheaton	La-Pha-Pack® Article-No.
223681	08 09 0284	224609/500	08 09 1080	242776-02	11 15 2017	W225150-0204	11 24 1050	W225332-0201	09 15 1572
223682	11 09 0184	224626 (alt.)	10 09 0743	242776-04	11 15 1325	W225151	11 09 0519	W225332-0203	09 15 1178
224167	12 02 1635	224627 (alt.)	10 09 1196	242776-05	11 15 1886	W225151-0104 (alt.)	11 24 1929	W225332-0204	09 15 0838
224322	13 06 0069	224628 (alt.)	10 09 1197	242782 (alt.)	11 08 1676	W225151-02	11 24 1142	W225332-0205	09 15 1527
224323	20 06 0043	224629 (alt.)	10 09 1197	242782-01 (alt.)	11 08 1676	W225151-0204	11 24 1143	W225332-0207	09 15 1332
224600	08 09 0276	224702/200	13 09 0222	242782-02 (alt.)	11 08 1676	W225151-03	11 24 2041	W225333-03	09 15 0480
224604	08 09 0405	224704/200	15 09 1703	242782-04 (alt.)	11 08 1676	W225151-04	11 24 1142	W225333-0301	09 15 1571
224605	08 09 0406	224705/200	15 09 1657	242782-05 (alt.)	11 08 1676	W225151-08	11 24 1341	W225334A-04	09 15 0481
224607	08 09 0258	224706/200	18 09 1704	242786 (alt.)	11 15 0635	W225152 (alt.)	11 09 0520	W225334A-0401	09 15 1572
224700	11 09 0210	224708/200	20 09 1705	242786 (alt.)	11 15 1850	W225152-01 (alt.)	11 24 2049	W225336-06	09 15 0981
224794	13 09 0222	224710/200	11 09 0259	242786-01	11 15 1817	W225152-01 (alt.)	11 24 1778	W225336-0601	09 15 1668
224795	13 09 0280	224712/200	13 09 0280	242786-01 (alt.)	11 15 1267	W225152-0103 (alt.)	11 24 1606	W225338-08	09 15 0852
225120	11 09 0537	224714/200	15 09 1774	242786-01 (alt.)	11 15 1856	W225152-0104 (alt.)	11 24 1528	W225338-08 (alt.)	09 15 2021
225121	11 09 0538	224794-01	13 09 1335	242786-02 (alt.)	11 15 1555	W225152-02 (alt.)	11 24 1091	W225338-0801	09 15 1669
225126	15 09 0539	224795-01	13 09 1336	242786-04 (alt.)	11 15 1323	W225152-0203 (alt.)	11 24 1609	W225350	08 07 0001
225127	15 09 0540	224802/200 (alt.)	13 09 0222	242786-05 (alt.)	11 15 1556	W225152-0204 (alt.)	11 24 1342	W225351	11 07 0002
225170	11 23 1046	224804/200 (alt.)	15 09 1703	242800 (alt.)	08 08 0488	W225153	11 09 0520	W225352	13 07 0003
225173	11 09 0477	224805/200 (alt.)	15 09 1657	242800/200	08 08 1167	W225153-01	11 24 2049	W225353	20 07 0004
225174	11 09 0476	224806/200 (alt.)	18 09 1704	242815 (alt.)	15 08 0547	W225153-01 (alt.)	11 24 1778	W225900	11 09 0210
225175	11 09 0356	224808/200 (alt.)	20 09 1705	868804/5 (alt.)	15 21 1664	W225153-0103 (alt.)	11 24 1606	W225910	11 09 0259
225179	11 09 0627	224812/200 (alt.)	13 09 0280	868805/5 (alt.)	24 21 1002	W225153-0104 (alt.)	11 24 1528	W226060/200 (alt.)	24 09 1089
225180	11 19 0933	224814/200 (alt.)	15 09 1774	985688 (alt.)	20 09 0297	W225153-02	11 24 1091	W227354/72	24 14 1513
225190	11 14 1190	224831/200 (alt.)	24 09 0589	985750 (alt.)	08 21 1000	W225153-0203	11 24 1609	W240406/200 (alt.)	08 15 1653
225200	11 14 1656	224832/200 (alt.)	24 09 0839	985800/5 (alt.)	12 21 1001	W225153-0204	11 24 1342	W240506/200 (alt.)	08 08 0027
225245	08 09 0484	224833/200 (alt.)	24 09 0402	W224215	20 03 0163	W225154-04	11 24 1141	W240508/200 (alt.)	13 08 0166
225260	05 09 0968	224836/200 (alt.)	24 09 0928	W224215	20 03 0828	W225156-04 (alt.)	11 24 1091	W240509/200 (alt.)	15 08 1783
225265	06 09 0865	225002/144 (alt.)	13 14 1944	W224216	20 03 0264	W225157-04	11 24 1091	W240515/200 (alt.)	18 08 0516
225277	20 09 0342	225172 (alt.)	11 09 0477	W224217	20 03 0326	W225171	11 09 0619	W240518/200 (alt.)	24 08 0403
225326	11 09 0999	225179-01	11 09 0644	W224600 (alt.)	24 04 0842	W225172-01 (alt.)	11 25 1097	W240565	08 08 1675
225328	11 09 1957	225179-02 (alt.)	11 09 0645	W224609/72 (alt.)	24 14 1513	W225172-02 (alt.)	11 25 1289	W240567	09 15 0753
240602	08 15 0293	225179-03	11 09 0645	W224611/72 (alt.)	24 14 1621	W225172-03 (alt.)	11 25 1924	W240568	09 15 0756
242761	10 15 1258	225195 (alt.)	11 14 1189	W224620-01 (alt.)	11 26 1059	W225173-01	11 25 1097	W240580/100	08 02 0103
242762	10 15 0744	225205 (alt.)	11 14 1655	W224620-0104 (alt.)	11 26 1563	W225173-02	11 25 1289	W240581/100 (alt.)	08 02 0009
242762	10 15 1257	225220-01	11 09 0921	W224620-02	11 26 1888	W225173-03	11 25 1924	W240583/100 (alt.)	12 02 0224
242763	10 08 0742	225221-01	11 09 1956	W224620-02 (alt.)	11 26 1060	W225174-01	11 25 1139	W240584/100 (alt.)	13 02 1018
242765	10 08 1899	225235 (alt.)	11 19 1707	W224620-0204 (alt.)	11 26 1562	W225174-02	11 25 1922	W240585/100 (alt.)	16 02 2068
242768	13 15 0815	225246 (alt.)	08 14 0595	W224620-03 (alt.)	11 26 1062	W225174-03	11 25 1921	W240586/100 (alt.)	19 02 1806
242772	11 15 1851	225246/1000	08 27 1671	W224620-0304 (alt.)	11 26 1564	W225175-01	11 25 1053	W240588/100	22 02 1108
242775	11 15 1853	225256 (alt.)	05 09 0706	W224621-01 (alt.)	11 26 1925	W225175-0103 (alt.)	11 25 1508	W240594/100	13 02 0474
242776	11 15 1852	225268 (alt.)	40 09 0146	W224621-02 (alt.)	11 26 1927	W225175-02	11 25 1055	W240596/100	19 02 0245
242786	11 15 1983	225278 (alt.)	20 09 1405	W224621-03 (alt.)	11 26 1926	W225175-03	11 25 1057	W240820/250 (alt.)	13 15 1638
242787	11 15 1602	225280 (alt.)	20 09 0873	W224622-01 (alt.)	11 26 1444	W225181	11 19 0932	W240821/250 (alt.)	13 15 1638
242810	12 08 0546	225310/72 (alt.)	24 14 1149	W224622-02 (alt.)	11 26 1274	W225183	11 19 1021	W240822/250 (alt.)	15 15 1748
224100-181	20 10 0290	225315/72 (alt.)	24 14 1094	W224622-02 (alt.)	11 26 1889	W225184	11 19 1022	W240823/250 (alt.)	15 15 1748
224168/100	20 02 0035	225350-531	05 09 1674	W224622-03 (alt.)	11 26 1613	W225237 (alt.)	11 19 1706	W240827/100 (alt.)	24 15 1395
224172/100	13 02 1018	225350-631	06 09 0866	W224622-0304 (alt.)	11 26 1564	W225243/200	08 09 0483	W240830/250 (alt.)	13 15 0648
224173/100	20 02 0638	240251 (alt.)	24 04 0841	W224623-01 (alt.)	11 26 1444	W225244 (alt.)	08 14 0513	W240831/250 (alt.)	13 15 0648
224173/100 (alt.)	20 02 0141	240251-01	24 04 0841	W224623-02	11 26 1889	W225244 (alt.)	08 14 1168	W240832/250 (alt.)	15 15 1083
224178-01	20 01 0408	240408/200 (alt.)	13 15 1638	W224623-02 (alt.)	11 26 1274	W225244/1000	08 27 1670	W240833/250 (alt.)	15 15 1083
224183-01	20 01 0093	240409/200 (alt.)	15 15 1748	W224623-03 (alt.)	11 26 1613	W225244/1000	08 27 1672	W240836/100 (alt.)	24 04 0841
224209-01	08 03 0451	240415/200 (alt.)	18 15 1387	W224623-0304 (alt.)	11 26 1564	W225300	08 06 0005	W240837/100 (alt.)	24 04 0841
224211-01	11 03 0209	240416/100 (alt.)	20 15 1805	W224809/200	24 09 0589	W225301	11 06 0006	W240840/100 (alt.)	13 15 0815
224211-05 (alt.)	11 03 0303	240418/100 (alt.)	24 15 1395	W224810/200	24 09 0402	W225302	13 06 0007	W240841/100 (alt.)	13 15 0815
224211-06 (alt.)	11 03 0302	242760 (alt.)	10 15 1256	W224815/200 (alt.)	24 09 0927	W225303	20 06 0008	W240842/100 (alt.)	15 15 1989
224211-07 (alt.)	11 03 0301	242772 (alt.)	11 15 0636	W2251153-02	11 24 1091	W225331-01	09 15 2011	W240843/100 (alt.)	15 15 1989
224218-01	08 03 0249	242772-01	11 15 1857	W225122	11 27 1063	W225331-01 (alt.)	09 15 0478	W240846/100 (alt.)	24 04 0842
224219-01	11 03 0247	242772-01 (alt.)	11 15 1268	W225122 (alt.)	11 14 0544	W225331-0101	09 15 2013	W240847/100 (alt.)	24 04 0842
224219-05	11 03 0667	242772-02	11 15 2018	W225123	11 27 1064	W225331-0101 (alt.)	09 15 1570	W242710/250	13 15 0815
224219-06	11 03 0666	242772-04	11 15 1324	W225123 (alt.)	11 14 0545	W225331-0103	09 15 2012	W242711/200 (alt.)	24 15 1395
224219-07	11 03 1625	242772-05	11 15 1677	W225149	11 09 0620	W225331-0103 (alt.)	09 15 1176	W242900 (alt.)	11 08 1676
224222-01	13 03 0751	242772-06 (alt.)	11 15 2046	W225150	11 09 0500	W225331-0104	09 15 1819	W242902 (alt.)	11 08 1676
224223-01 (alt.)	20 03 0194	242775 (alt.)	11 15 0650	W225150-01 (alt.)	11 24 1140	W225331-0104 (alt.)	09 15 0867	W242904 (alt.)	11 08 1676
224231-01	11 03 0196	242775-01	11 15 1269	W225150-0103 (alt.)	11 24 1605	W225331-0105	09 15 2014	W242906 (alt.)	11 08 1676
224231-05	11 03 0372	242775-04	11 15 1326	W225150-0104	11 24 1920	W225331-0105 (alt.)	09 15 1542	W242908 (alt.)	11 08 1676
224231-06	11 03 0371	242776 (alt.)	11 15 0637	W225150-0104 (alt.)	11 24 1049	W225331-0107	09 15 1911		
224231-07	11 03 0370	242776-01	11 15 1854	W225150-02	11 24 1141	W225331-0107 (alt.)	09 15 1356		
224235-01 (alt.)	11 03 1641	242776-01 (alt.)	11 15 1151	W225150-0203	11 24 1436	W225332-02	09 15 0481		

You will find information about the handling of the Cross-References on page 86.

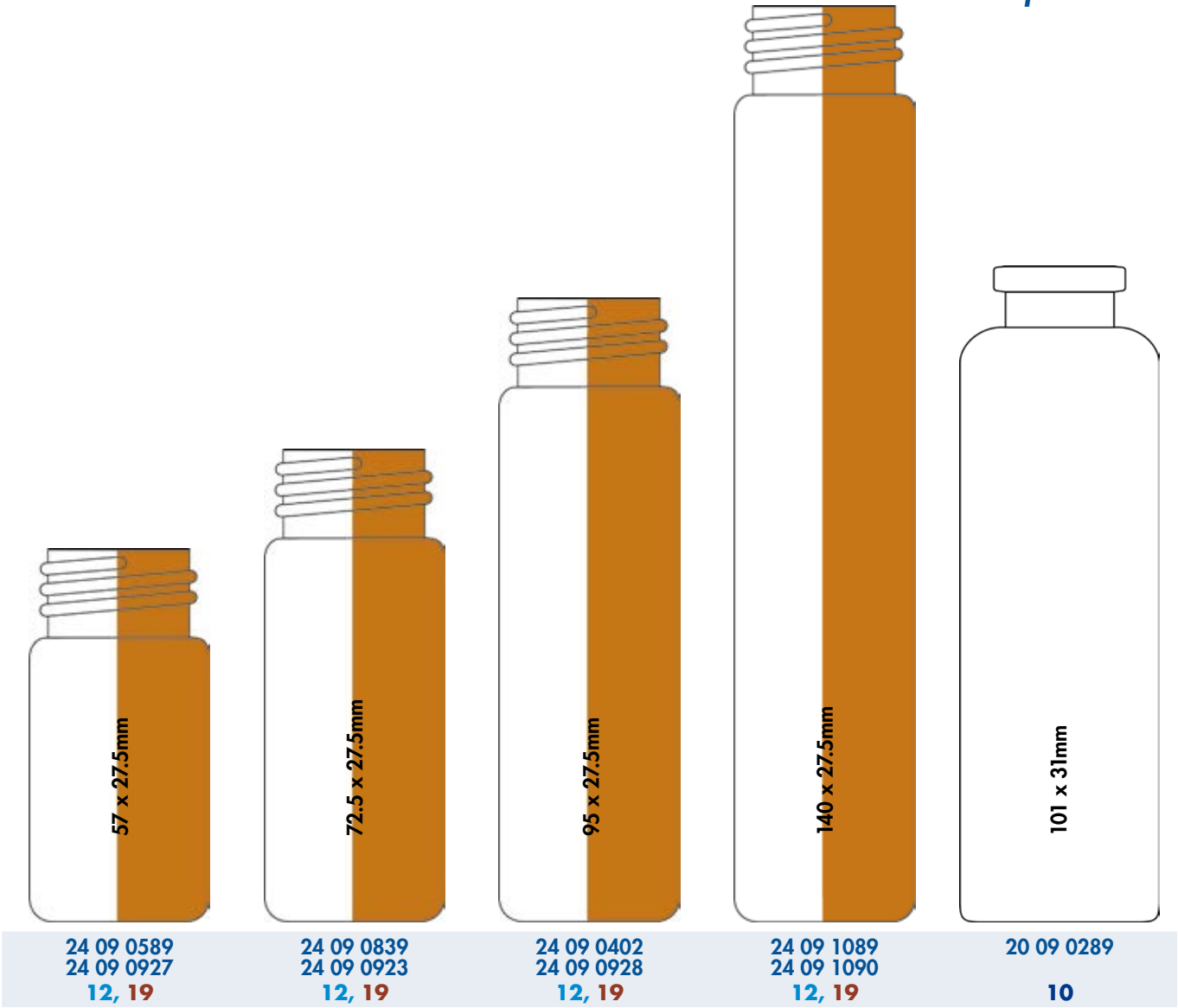
On our 6 pages pull-out sheet you will find on pages 93-96 actual size drawings of all standard glass articles and on pages 97-98 drawings of all cap types.

All drawings of the glass articles are marked with our article number and the chapter where you can find the respective product.

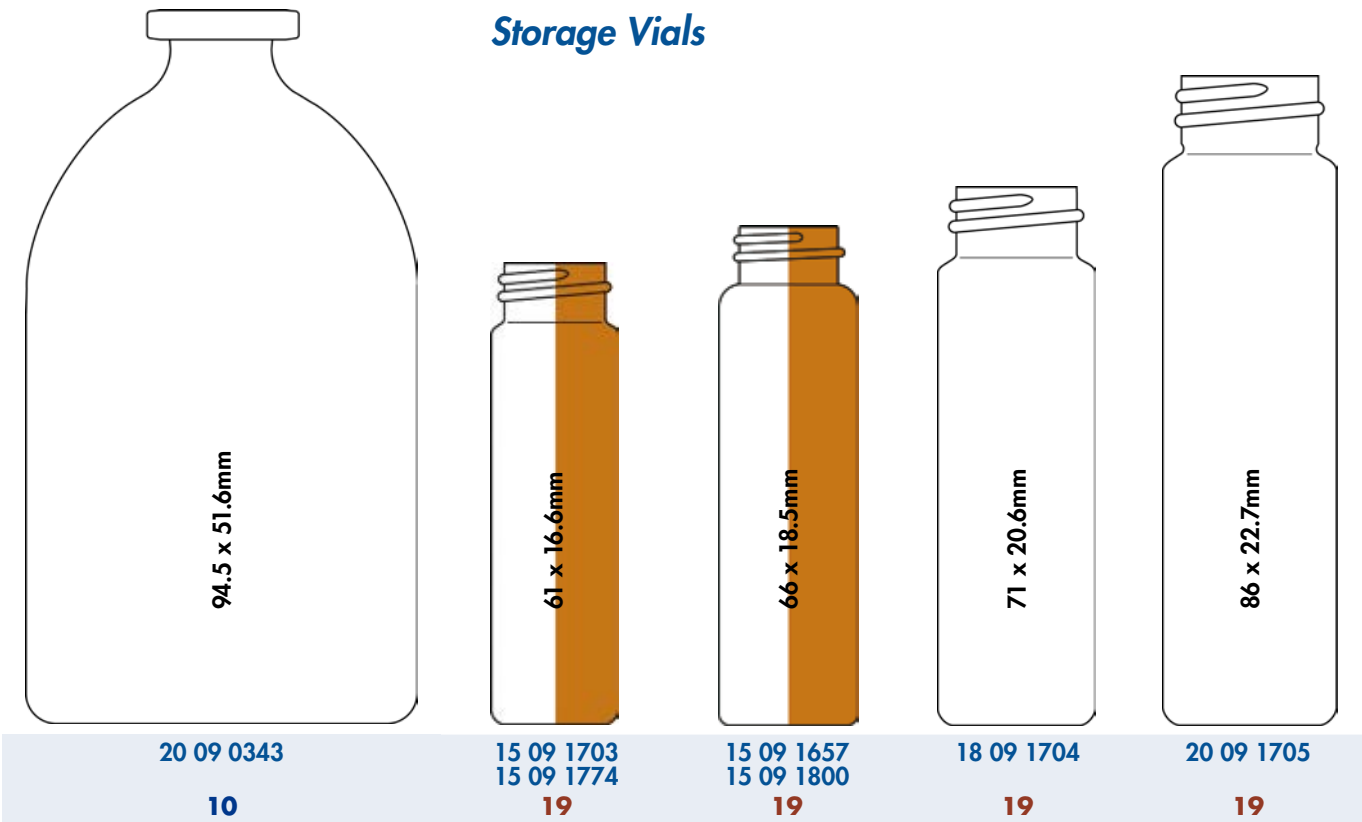
The drawings of the caps are not actual size. They should only visualize the special features of certain types of caps.

EPA-Vials ND24

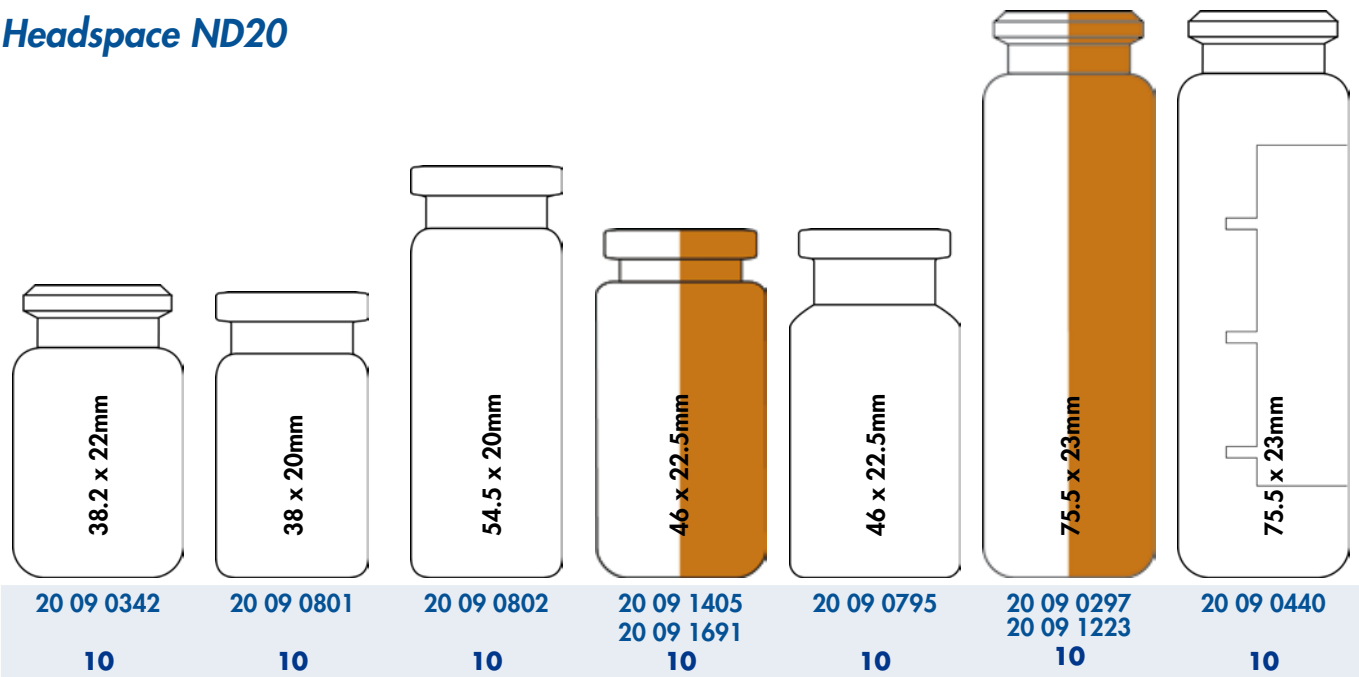
Crimp Neck ND20



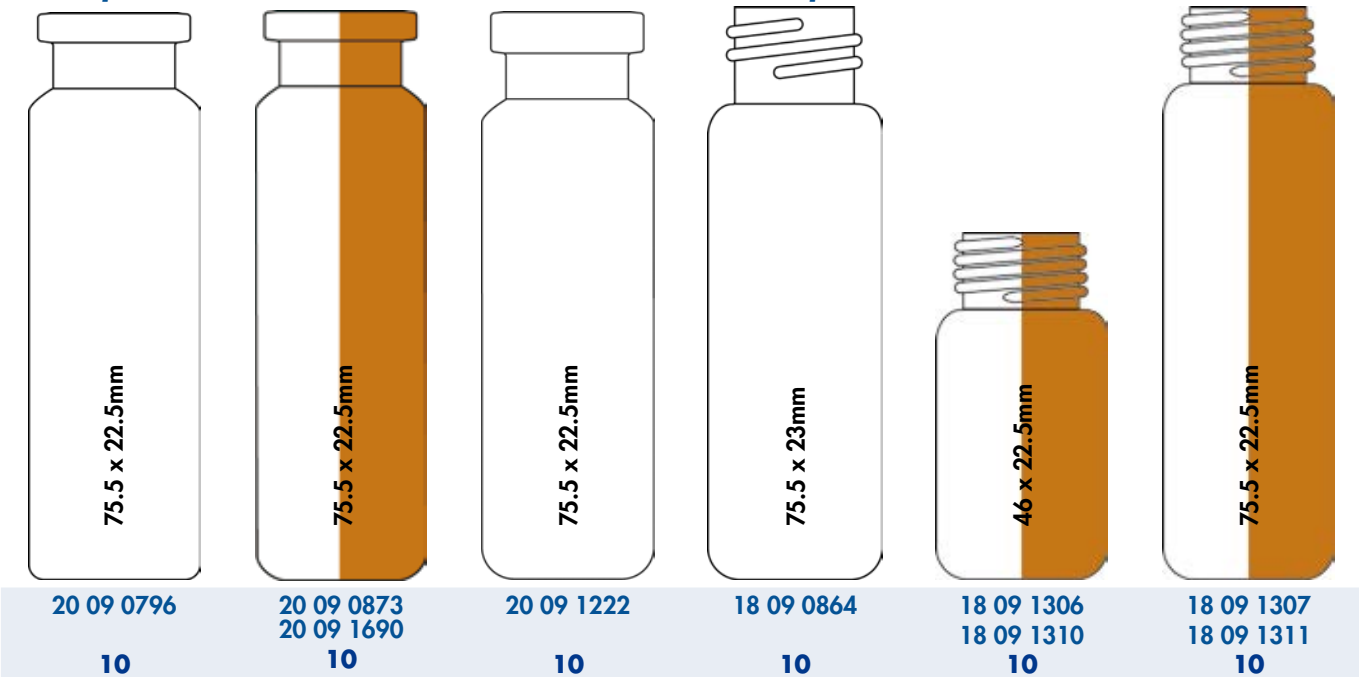
Storage Vials



Headspace ND20

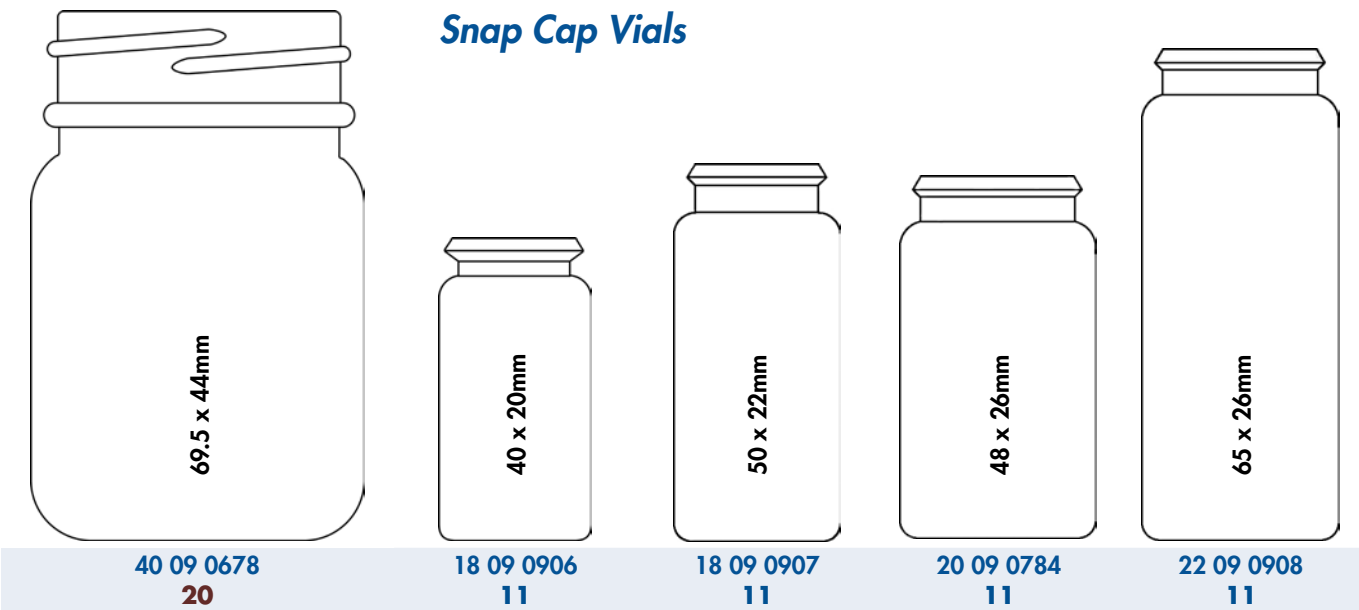


Headspace ND20



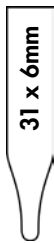
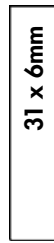
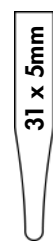
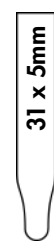
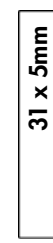
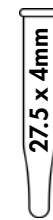
Headspace ND18

Snap Cap Vials



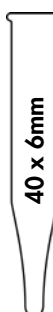
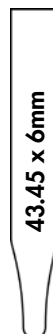
Micro-Inserts for wide opening

Micro-Inserts for small opening

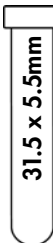
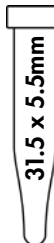
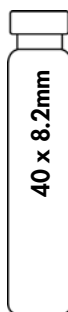
								
06 09 0357 06 09 1240	06 09 0669	06 09 0865 06 09 1343	06 09 0866	05 09 0129	05 09 0269	05 09 1674	05 09 0279	05 09 0968
3,4,5,6,9	3,4,5,6,9	3,4,5,6	3,4,5,6,9	2	2	2	2	2

Screw Neck ND13

Shell Vials, 4ml (Insert)

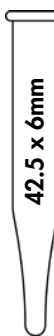
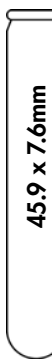
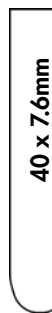
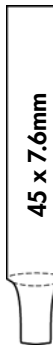
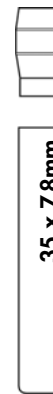
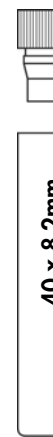
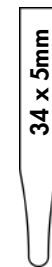
							
13 09 0222	13 09 0280	13 09 1335	13 09 1336	40 09 0146	15 14 0548	15 14 0562	06 09 0651
8, 19	8, 19	8	8	8	9	9	9

Crimp Neck ND8

									
08 09 0276	08 09 0606	08 09 0284	08 09 0845	08 09 0953	08 09 0405	08 09 0406	08 09 0305	08 09 0258	08 09 1080
1	1	1	1	1	1	1	1	1	1

Inserts for 96 Position Block Systems (RITTER)

Shell Vials, 1ml (Insert)

								
08 09 0875 (MT-Plate)	08 09 0888 (DW-Block)	08 09 0909 (SQW-Block)	08 09 0903 (MTRS)	08 09 1081 (SQW/Sealmat)	08 14 0641	08 14 1168 08 14 0513	08 14 1169 08 14 0595	05 09 0706
13	13	13	13	13	9	9	9	9

Crimp Neck ND11

32 x 11.6mm	32 x 11.6mm	32 x 11.6mm	32 x 11.6mm	32 x 10mm	32 x 11.6mm	32 x 11.6mm	32 x 11.6mm	41 x 11.6mm
11 09 0356	11 09 0476	11 09 0477	11 09 0415	11 09 0486	11 09 0619	11 09 0921 11 09 1956	11 09 0184	11 09 0831
5	5	5	5	5	5	5	5	5

Snap Ring ND11

32 x 11.6mm	32 x 11.6mm	32 x 11.6mm	32 x 11.6mm	32 x 11.6mm	32 x 11.6mm	32 x 11.6mm	32 x 11.6mm	31.5 x 11.6mm	31.5 x 11.6mm
11 09 0627	11 09 0644	11 09 0645	11 14 1190 11 14 1266	11 14 1656 11 14 1695	11 19 0933 11 19 1022	11 19 1217	11 19 1707	11 14 0544	11 14 0545
6	6	6	5, 6	5, 6	7	7	7	9	9

Shell Vials, 2ml

Short Thread ND9

32 x 11.6mm	32 x 11.6mm	32 x 11.6mm	32 x 11.6mm	32 x 11.6mm	32 x 11.6mm	32 x 11.6mm	32 x 11.6mm	32 x 11.6mm	32 x 11.6mm	32 x 11.6mm
11 09 0500 11 09 1241	11 09 0519	11 09 0520 11 09 1242	11 09 0620	11 09 0999 11 09 1957	11 14 1189 11 14 1265	11 14 1655 11 14 1694	11 19 0932 11 19 1021	11 19 1216	11 19 1706	11 19 1205 11 19 1516
3	3	3	3	3	3	3	3, 7	3, 7	3, 7	3, 7

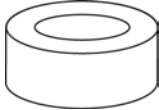
Screw Neck ND8, small opening

32 x 11.6mm	32 x 11.6mm	32 x 11.6mm	32 x 11.6mm	32 x 11.6mm	32 x 11.6mm	32 x 11.6mm	32 x 11.6mm
11 09 0210	11 09 0259	11 09 0419	11 09 0382	11 09 0417	10 09 0743	10 09 1196	10 09 1197
2, 19	2, 19	2	2	2	4	4	4

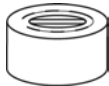
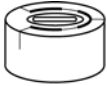
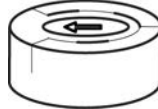
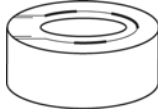
Screw Neck ND10, wide opening

32 x 11.6mm	32 x 11.6mm	32 x 11.6mm	32 x 11.6mm	32 x 11.6mm	32 x 11.6mm	32 x 11.6mm	32 x 11.6mm
11 09 0210	11 09 0259	11 09 0419	11 09 0382	11 09 0417	10 09 0743	10 09 1196	10 09 1197
2, 19	2, 19	2	2	2	4	4	4

Aluminium Crimp Caps, centre hole

				
Size	8mm	11mm	13mm	20mm
Size centre hole	4mm centre hole	5.5mm centre hole	6mm centre hole	10mm centre hole
Material	Aluminium	Aluminium	Aluminium	Aluminium
Lacquer	clear	clear, red, blue, green, gold	clear, red, blue, green, gold	plain, red, blue, green, gold

Special Aluminium Crimp Caps

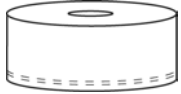
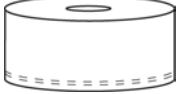
						
Size	11mm	13mm	13mm	20mm	20mm	20mm
Type of Cap	Centre hole Cap	Centre Tear Off Cap	Complete Tear Off Cap	Centre Tear Off Cap	Complete Tear Off Cap	Headspace Cap*
Material	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
Lacquer	clear	clear, red, blue, green, gold	clear, red, blue, green, gold	clear, red, blue, green, gold	clear, red, blue, green, gold	clear
Special features	with roll groove					

Headspace Cap:* This cap has the function of a pressure release cap and is designed with special scorelines whose bridges break open at an internal vial pressure of 3.0 ± 0.5 bar to let the excess pressure escape. It is comparable with the three component PerkinElmer Headspace Closure (Aluminium Crimp Cap with slits, metal star washer, liner with ears) which offers the same effect with a different technical design.

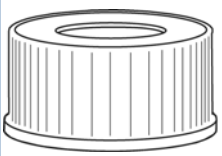
Magnetic Caps, centre hole

							
Size	9mm Screw Cap	11mm Crimp Cap	20mm Crimp Cap	20mm Crimp Cap	20mm Bimetal Crimp Cap	18mm Screw Cap	18mm Screw Cap
Size centre hole	6mm centre hole (GC)	5mm centre hole (GC)	5mm centre hole (HS)	8mm centre hole (HS)	8mm centre hole (HS)	8mm centre hole (Universal) (Headspace/SPME)	closed top
Application	PP Screw Cap blue/ magn. overcap gold	magnetic gold	magnetic gold	magnetic gold	Alu/magnetic red	magnetic silver	Universal Screw Cap
Material	GC PAL	GC PAL	CE HS250/500/HS800, CTC 500	CTC Combi PAL	CTC Combi PAL	CTC Combi PAL	silver
Lacquer	Thermo Scientific TriPlus	Thermo Scientific TriPlus	Fisons HS250/500/HS800			PerkinElmer Agilent G1888A	

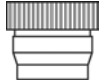
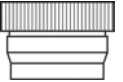
PE-Caps for Crimp Necks

							
Size	8mm	9mm	9mm	11mm	13mm	22mm	22mm
Approp. Vial	For Crimp Neck ND8	For 96 Block Inserts	For Crimp Neck ND8	For Crimp Neck and Snap Ring ND11	For Crimp Neck ND11	For HS Neck ND20	For Crimp Neck ND20
Size Cap	8mm	9 x 5.9mm	9 x 5.9mm	11mm	13 x 7.5mm	22 x 8.4mm	22 x 9.1mm
Size centre hole	with thinned penetration point	4mm centre hole	4mm centre hole	with thinned penetration point	4.5mm centre hole	4.3mm centre hole	4.3mm centre hole or 6mm centre hole
Material, colour	PE, blue	PE, red	PE, transparent	PE, blue	PE, transparent	PE, transparent only for bevelled tops	PE, transparent only for flat DIN Crimp Necks!

Screw Caps

								
Size	8mm	9mm	10mm	13mm	15mm	18mm	20mm	24mm
Approp. Vial Thread Cap Design Size centre hole Material, colour	Screw Neck Vials ND8 8-425 thread, closed or open top 5.5mm centre hole PP, black or white	Short Thread Vials ND9 Short thread, closed or open top 6mm centre hole PP, black, transparent, blue, red, yellow, green	Screw Neck Vials ND10 10-425 thread, closed or open top 7mm centre hole PP, black	Screw Neck Vials ND13 13-425 thread, closed or open top 8.5mm centre hole PP, black, white	Screw Neck Vials ND15 15-425 thread, closed or open top, 9mm centre hole PP, black	Screw Neck Vials ND18 18-400 thread, closed or open top 12mm centre hole PP, black	Screw Neck Vials ND20 20-400 thread, closed top, PP, white	Screw Neck Vials ND24 24-400 thread, closed or open top 12.5mm centre hole PP, white

PE-Plugs for Shell Vials

						
Size	8mm	8mm	8mm	8mm	12mm	15mm
Vial/Plug combination Plug Size Material, colour Special Features	Plug of 08 14 0641 6mm PE, transparent	Plug of 08 14 0904 8mm PE, blue	Plug of 08 14 0513 or 08 14 0595 8mm PE, transparent with insertion barrier for Micro-Inserts	Plug of 08 14 1168 or 08 14 1169 8mm PE, transparent without insertion barrier for Micro-Inserts	Plug of 11 14 0544 or 11 14 0545 12mm PE, transparent	Plug of 15 14 0548 or 15 14 0562 15mm PE, transparent

Snap Ring Caps

	
Size	11mm
Approp. Vial Cap Design Size centre hole Material Colour	Snap Ring Vials ND11 open top 6mm centre hole PE transparent*, blue*, red, yellow, green

* available as a hard or soft PE Caps
Hard Cap: tighter, but not so easy to push on or to remove
Soft Cap: convenient in handling, but not as tight

Snap Caps

			
Size	18mm	22mm	28mm
Approp. Vial Cap Design Size Cap Material Colour	Snap Cap Vials ND18 closed top 19.8 x 5.2mm PE transparent	Snap Cap Vials ND22 closed top 23.5 x 5.5mm PE transparent	Snap Cap Vials ND28 closed top 29.7 x 5.6mm PE transparent

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