Crimp neck vials and caps N 8

Crimp neck vials N 8

For micro sampling

70286	70282	70251	70212.1	702002	702003
0.2 mL	0.3 mL	0.8 mL	0.6 mL	0.7 mL	0.7 mL
5.5 x 31.5 mm	5.5 x 31.5 mm	8.2 x 30 mm	7 x 40 mm	7 x 40 mm	7 x 40 mm
clear	clear	clear	amber	clear	amber
conical	round bottom	flat bottom	conical	flat bottom	flat bottom
100 / PE bag	100 / PE bag	100 / PP box	100 / PE bag	100 / PE bag	100 / PE bag

Crimping tools N 8

REF	Type of crimping tool	Pack of
735126	Manual crimper (standard) for 8 mm aluminium crimp caps	1 / Box
735408	Manual decapper (standard) for 8 mm aluminium crimp caps	1 / Box
735208	Manual ergonomic crimper for 8 mm aluminium crimp caps	1 / Box

Ready assembled crimp closures N 8 and plain crimp caps N 8

REF	(Scale 1:1.6)		Cap description	Septum description	Hardness	Thickness	Pack of
70283			N 8 aluminium crimp cap, silver, center hole	PTFE virginal, white	53° shore D	0.25 mm	100 / PE bag
70252.1			N 8 aluminium crimp cap, silver, center hole	Natural rubber / Butyl red-orange / TEF colorless	45° shore A	1.0 mm	100 / PE bag
702025			N 8 aluminium crimp cap, silver, center hole	Red Rubber / FEP colorless	45° shore A	1.0 mm	100 / PE bag
70289			N 8 aluminium crimp cap, silver, center hole	Silicone white / PTFE red	45° shore A	1.0 mm	100 / PE bag
702878			N 8 aluminium crimp cap, silver, center hole	PTFE red / Silicone white / PTFE red	50° shore A	1.0 mm	100 / PE bag
702800		–	N 8 aluminium crimp cap, silver, center hole (no liner)	–	–	–	100 / PE bag

Crimp neck vials, inserts and caps N 11

Crimp neck vials N 11

Small opening vials		Wide opening vials			
70201CG	70214CG	70201HP	70201HP.2	702885	702892
				silanized 702075	silanized 702076
1.5 mL	1.5 mL	1.5 mL	1.5 mL	1.5 mL	1.5 mL
11.6 x 32 mm	11.6 x 32 mm	11.6 x 32 mm	11.6 x 32 mm	11.6 x 32 mm	11.6 x 32 mm
clear	amber	clear	amber	clear, label + scale	amber, label + scale
flat bottom	flat bottom	flat bottom	flat bottom	flat bottom	flat bottom
100 / PP box	100 / PP box	100 / PP box	100 / PP box	100 / PP box	100 / PP box

Inserts for crimp neck vials N 11

Inserts for small opening vials				Inserts for wide opening vials				
							Polypropylene	
702968	702968.1	702824	702005	702813	702716	702818	702819	702825
				silanized 702077		silanized 702818.1		
0.1 mL	0.15 mL	0.1 mL	0.25 mL	0.2 mL	0.25 mL	0.1 mL	0.1 mL	0.3 mL
5 x 31 mm	5 x 31 mm	5 x 29 mm	5 x 31 mm	6 x 31 mm	6 x 31 mm	5.7 x 29 mm	5.7 x 29 mm	6 x 31 mm
clear	clear	clear	clear	clear	clear	clear	transparent	clear
conical, 15 mm tip	conical, 9 mm tip	with plastic spring	flat bottom	conical, 15 mm tip	conical, 12 mm tip	with plastic spring	with integrated spring	flat bottom
100 / PE bag	100 / PE bag	100 / PE bag	100 / PE bag	100 / PE bag	100 / PE bag	100 / PE bag	100 / PE bag	100 / PE bag

Container for crimp neck / snap ring vials N 11

REF	Description	Pack of
702514	81 position container blue for crimp neck / snap ring vials N 11, 130 x 130 x 45 mm, coded, with transparent lid (suitable for freezers)	1

Vial rack for crimp neck / snap ring vials N 11

REF	Description	Pack of
702502	50 position polypropylene vial rack blue for all vials 11.6 x 32 mm with flat bottom Dimensions: 190 x 100 x 22 mm, stackable	1

N 11 Crimp neck vials, inserts and caps N 11

Crimp neck vials N 11

Micro-vials N 11 for small sample volumes							
						PP / Glass insert	PP / Glass insert
702888	702141	702015	702016	702891	702014	702134*	702334*
1.1 mL	1.1 mL	1.1 mL	1.1 mL	0.2 mL	0.2 mL	0.2 mL	0.2 mL
11.6 x 32 mm	11.6 x 32 mm	11.6 x 32 mm	11.6 x 32 mm	11.6 x 32 mm	11.6 x 32 mm	11.6 x 32 mm	11.6 x 32 mm
clear	clear	clear	amber	clear	amber	clear	amber
flat bottom, 15 µL funnel in solid glass bottom	conical	conical with round pedestal glass plate	conical with round pedestal glass plate	flat bottom, with integrated 0.2 mL insert	flat bottom, with integrated 0.2 mL insert	flat bottom, with integrated 0.2 mL glass insert	flat bottom, with integrated 0.2 mL glass insert
100 / PP box	100 / PP box	100 / PP box	100 / PP box	100 / PP box	100 / PP box	100 / PP box	100 / PP box

* upon request also available with integrated silanized insert

Crimping tools N 11

REF	Type of crimping tool	Pack of
735111	Manual crimper (standard), height adjustable, for 11 mm aluminium crimp caps	1 / Box
735911	Manual decapper (standard) for 11 mm aluminium crimp caps	1 / Box
735911.20	Manual decapper (plier style, dual) for 11 mm and 20 mm aluminium crimp caps	1 / PE Cover
735211	Ergonomic crimper for 11 mm aluminium crimp caps	1 / Box
735311	Ergonomic decapper for 11 mm aluminium crimp caps	1 / Box
735511	Electronic crimper for 11 mm aluminium crimp caps (battery-powered)	1 / Box
735611	Electronic decapper for 11 mm aluminium crimp caps (battery-powered)	1 / Box
735700	Electronic high power crimping tool with power supply	1 / Box
735711	Crimping head for 11 mm crimp caps (aluminium, magnetic)	1 / Box
735811	Decapping head for 11 mm crimp caps (aluminium, magnetic)	1 / Box

Ready assembled crimp closures, plain crimp caps and single septa N 11

Cap description (Scale 1:1.6)	Septum description	Hardness	Thickness	Pack of
N 11 aluminium crimp cap, color as indicated, center hole 70256 70231.1 70231.2 70231.3	Natural rubber / Butyl red-orange / TEF colorless	45° shore A	1.0 mm	100 / PE bag
N 11 aluminium crimp cap, color as indicated, center hole 702730 702730.1 702730.2 702730.3	Red Rubber / FEP colorless	45° shore A	1.0 mm	100 / PE bag
N 11 aluminium crimp cap, color as indicated, center hole 70288 70288.1 70288.2 70288.3 702879 (magnetic)	Silicone white / PTFE red	45° shore A	1.3 mm	100 / PE bag
N 11 aluminium crimp cap, color as indicated, center hole 702995 702995.1 702995.2 702995.3	PTFE red / Silicone white / PTFE red	50° shore A	1.0 mm	100 / PE bag
N 11 aluminium crimp cap, silver, center hole 702823*	Silicone white / PTFE blue, cross-slit	55° shore A	1.5 mm	100 / PE bag
N 11 aluminium crimp cap, silver, center hole 702736*	Red Rubber / FEP colorless	45° shore A	1.3 mm	100 / PE bag
N 11 aluminium crimp cap, silver, center hole 702001	Natural rubber, red-orange / TEF colorless	60° shore A	1.0 mm	100 / PE bag
N 11 aluminium crimp cap, silver, center hole 70231	Natural rubber / Butyl red-orange / TEF colorless	45° shore A	1.3 mm	100 / PE bag
N 11 aluminium crimp cap, silver, center hole 70239	PTFE gray / Butyl beige / PTFE gray	55° shore A	1.3 mm	100 / PE bag
N 11 aluminium crimp cap, silver, center hole 70284	PTFE virginal, white	53° shore D	0.25 mm	100 / PE bag
N 11 aluminium crimp cap, silver, roll grove, center hole 702175	O-ring and aluminium septa TPF (Total Phthalate Free)		0.1 mm	100 / glass jar
N 11 aluminium crimp cap, silver, center hole 702146	Viton black	70° shore A	1.0 mm	100 / PE bag

* upon request also available with a green, red or a blue crimp cap

N 11 Crimp neck vials, inserts and caps N 11

Ready assembled crimp closures, plain crimp caps and single septa N 11

Cap description (Scale 1:1.6)	Septum description	Hardness	Thickness	Pack of
N 11 aluminium crimp cap, silver, center hole (no liner) 702801	–	–	–	100 / PE bag
N 11 PE cap, transparent, closed top, thin piercing area 702401	–			100 / PE bag
70262 – (septa only)	PTFE virginal, white	53° shore D	0.25 mm	100 / PE bag

* upon request also available with a green, red or a blue crimp cap

Vial Kits crimp neck N 11

Vial ↓	Closure → (Scale 1:1.6)			
	70288	702995	70256	702001
70201HP: 1.5 mL, clear, flat bottom	702215	702218	702222	
702885: 1.5 mL, clear, flat bottom, label and scale	702216	702219	702223	702253
702892: 1.5 mL, amber, flat bottom, label and scale	702217	702221	702224	702254
Pack of 100 vials and 100 closures, each Other Vial Kits on request				

Storage of samples in the fridge or in the freezer

Useful tips for sample handling

Generally sample vials should be stored in a vial container when being placed in the fridge or in the freezer, in order to avoid any condensations on the cap/ septa surface that may go along with contaminations in the penetration area of the septa in the center hole. When filling the vial you have to consider the expansion rate of your sample to prevent breakage of the vial. Furthermore it is important to defreeze the sample at a later point in time very slowly (no sudden defreezing with hot water for example). With screw closures you may have to check, if restoring forces have been activated during the defreezing process and if you may have to tighten the screw closure. The choice of the correct closure (septum) depends on the storage temperature.

Crimp neck vials, inserts and caps N 11

Pre-sealed vial-closure combinations with crimp neck N 11

Vial description	Closure description	Pack of	REF
Pre-sealed vials **70201CG**: 1.5 mL crimp neck vial N 11, 11.6 x 32 mm, clear, flat bottom, small opening	crimped with **70256**: N 11 aluminium crimp cap, silver, center hole, Natural rubber / Butyl red-orange / TEF colorless, 45° shore A, 1.0 mm	100	**702881**
Pre-sealed vials **70201HP**: 1.5 mL crimp neck vial N 11, 11.6 x 32 mm, clear, flat bottom, wide opening	crimped with **70256**: N 11 aluminium crimp cap, silver, center hole, Natural rubber / Butyl red-orange / TEF colorless, 45° shore A, 1.0 mm	100	**702101HP**
Pre-sealed vials **702892**: 1.5 mL crimp neck vial N 11, 11.6 x 32 mm, amber, flat bottom, wide opening, label and scale	crimped with **70256**: N 11 aluminium crimp cap, silver, center hole, Natural rubber / Butyl red-orange / TEF colorless, 45° shore A, 1.0 mm	100	**702859**
Pre-sealed vials **70201HP**: 1.5 mL crimp neck vial N 11, 11.6 x 32 mm, clear, flat bottom, wide opening	crimped with **702995**: N 11 aluminium crimp cap, silver, center hole, PTFE red / Silicone white / PTFE red, 50° shore A, 1.0 mm	100	**702867**
Other pre-sealed vial-closure combinations on request			

! Optimal crimping

For an optimal crimp result the crimping tool needs to be adjusted to:

- Type and height of the vial's crimp neck
- Thickness and hardness of the septa
- Properties of the cap (type, material)

For doing so, please refer to the instruction manual of the individual tool.

Permanent control of the crimp result and thus of the crimping tool settings is necessary.

Incorrect crimping can be recognized by the following features:

Cap deformation

Pulled up edge of the center hole

Strong formation of wrinkles

Convex looking liner

Cap can be turned with only low expenditure of power

N 13 Crimp neck vials and caps N 13

Crimp neck vial N 13

70203
2 mL
13.75 x 35 mm
clear, flat bottom
100 / carton

Crimping tools N 13

REF	Type of crimping tool	Pack of
735113	Manual crimper (standard), height adjustable, for 13 mm aluminium crimp caps	1 / Box
735133	Manual crimper (standard), height adjustable, for 13 mm Flip Top / Flip Off caps	1 / Box
735913	Manual decapper (standard) for 13 mm aluminium crimp caps	1 / Box
735513	Electronic crimper for 13 mm aluminium crimp caps (battery-powered)	1 / Box
735533	Electronic crimper for 13 mm Flip Top / Flip Off caps (battery-powered)	1 / Box
735613	Electronic decapper for 13 mm aluminium crimp caps (battery-powered)	1 / Box
735700	Electronic high power crimping tool with power supply	1 / Box
735713	Crimping head for 13 mm aluminium crimp caps	1 / Box
735733	Crimping head for 13 mm Flip Top / Flip Off caps	1 / Box

Ready assembled crimp closures N 13 and plain crimp caps N 13

REF	(Scale 1:1.6)	Cap description	Septum description	Hardness	Thickness	Pack of
70257		N 13 aluminium crimp cap, silver, center hole	Butyl dark gray / PTFE gray (only centrically laminated with PTFE, typically called Pharma-Fix)	50° shore A	2 mm	100 / PE bag
70232		N 13 aluminium center tear off cap, gold	Butyl dark gray / PTFE gray (only centrically laminated with PTFE, typically called Pharma-Fix)	50° shore A	2 mm	100 / PE bag
702802	–	N 13 aluminium crimp cap, silver, center hole (no liner)	-	-	-	100 / PE bag
702803	–	N 13 aluminium center tear off cap, gold (no liner)	-	-	-	100 / PE bag

Container for crimp and screw neck vials N 13

REF	Description	Pack of
702515	49 position container blue for crimp and screw neck vials N 13, 130 x 130 x 50 mm, with transparent lid (suitable for freezers)	1

Vial rack for crimp and screw neck vials N 13

REF	Description	Pack of
702504	50 position polypropylene vial rack blue for vials with a diameter of 15 mm max. and flat bottom Dimensions: 240 x 120 x 28 mm, stackable	1