VIALS

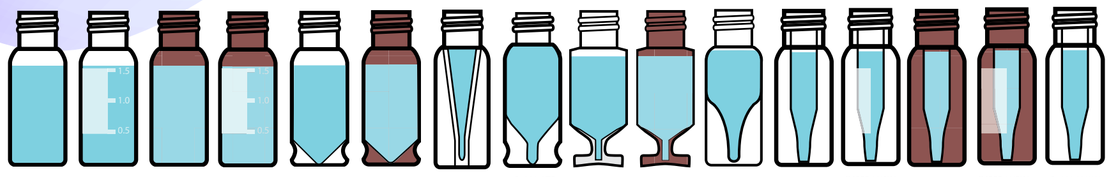
for any autosampler, and any application

Our comprehensive range of vials and closures offers you the assurance of uninterrupted productivity, separation after separation.

Dimensions: Nominal diameter x nominal height without closure (Does not include Polyspring® height)
Common Description: Common name associated with the item
Approx. Total Capacity: Volume when filled level with the rim
Rec. Usable Volume: Maximum fill volume for routine applications on most autosamplers.
Residual Volume: Amount of sample that cannot be withdrawn with optimized autosampler set up.
Composition: Material used to manufacture the vial.

Glass: clear borosilicate glass
Amber: amber borosilicate glass
Polypro: Virgin polyproylene resin
Polyeth: Virgin polyethylene resin
TPX: Polymethylpentene
Glastic: glass insert inside of a plastic outer vial

Target DP® Vials 12 x 32 mm

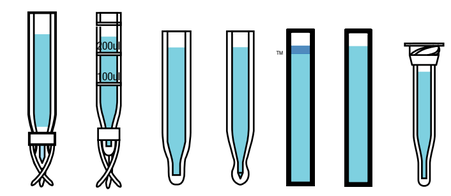


Part No.	C4000-1	C4000-1W	C4000-2	C4000-2W	C4000-9	C4000-9A	C4000-11	C4000-9TR	C4000-V1	C4000-V2	C4000-1PT	C4000-LV1	C4000-LV1W	C4000-LV2	C4000-LV2W	C4000-LV3W
Common Description	2 mL Vial	2 mL Vial	2 mL Vial	2 mL Vial	1.5 mL Vial	1.5 mL Vial	450uL 250uL 250uL	1.5mL 1.5mL 1.2mL	1.5 mL 1.4 mL 1.0mL	1.5 mL 1.4 mL 1.0mL	950 µL 1000 µL 800 µL	350 µL Vial 475 µL 350 µL	350 µL Vial 475 µL 350 µL	350 µL Vial 475 µL 350 µL	350 µL Vial 475 µL 350 µL	200uL 375uL 240uL
Approx. Total Capcity	2 mL	2 mL	2 mL	2 mL	1.7 mL	1.7 mL	1.7 mL	1.5mL	1.4 mL	1.4 mL	1000 µL	475 µL	475 µL	475 µL	475 µL	200uL
Rec. Usable Volume	1.5 mL	1.5 mL	1.5 mL	1.5 mL	1.3 mL	1.3 mL	1.3 mL	1.2mL	1.0mL	1.0mL	800 µL	350 µL	350 µL	350 µL	350 µL	240uL
Residual Volume	<170 µL	<170 µL	<170 µL	<170 µL	<4 µL	<4 µL	<1uL	<1uL	<4 µL	<4 µL	<2 µL	<2 µL	<2 µL	<2 µL	<2 µL	<1uL
Composition	Glass	Glass	Amber	Amber	Glass	Amber	PolyPro	Glass	Glass	Amber	Glass	Glass	Glass	Amber	Amber	Glass

Standard-Opening Crimp Vials 12 x 32 mm Alcott 8 x 35 mm

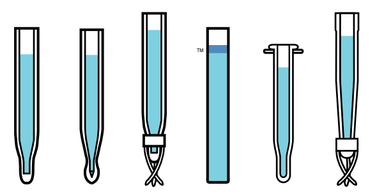
Part No.	C4012-1	C4012-1W	C4012-2	C4012-2W	C4012-10	C4008-50
Common Description	2 mL	2 mL	2 mL	2 mL	100 µL	1 mL
Approx. Total Capcity	2 mL	2 mL	2 mL	2 mL	425 µL	1 mL
Rec. Usable Volume	1.5 mL	1.5 mL	1.5 mL	1.5 mL	200 µL	850 µL
Residual Volume	<170 µL	<170 µL	<170 µL	<170 µL	<2 µL	Glass
Composition	Glass	Glass	Amber	Amber	Glass	

Target DP Microvolume Inserts



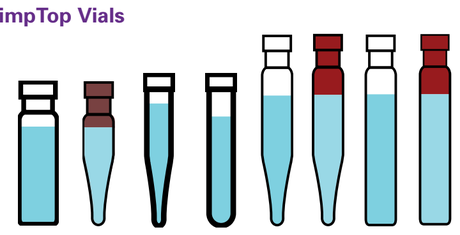
Part No.	C4010-630	C4010-630P	C4010-627L	C4010-629L	C4011-631	C4011-631P	C4010-630TS
Dimensions	6 x 31 mm	6 x 29 mm	6 x 31 mm	6 x 31 mm	6 x 31 mm	6 x 31 mm	6 x 29 mm
Common Description	250 µL	200 µL	300 µL	300 µL	400 µL	300 µL	150 µL
Approx. Total Capcity	375 µL	325 µL	400 µL	400 µL	500 µL	500 µL	450 µL
Rec. Usable Volume	300 µL	250 µL	350 µL	350 µL	400 µL	400 µL	325 µL
Residual Volume	<1 µL	<2 µL	<4 µL	<2 µL	<25 µL	<25 µL	<3 µL
Composition	Glass	Polypro	Glass	Glass	Glass	Polypro	Glass

Standard Microvolume Inserts



Part No.	C4012-529L	C4012-531L	C4012-530	C4012-465	C4012-529T	C4012-530P
Dimensions	5 x 31 mm	5 x 31 mm	5 x 29 mm	5 x 31 mm	5 x 29 mm	5 x 30 mm
Common Description	150 µL	150 µL	150 µL	200 µL	150 µL	125 µL
Approx. Total Capcity	200 µL	225 µL	200 µL	250 µL	325 µL	175 µL
Rec. Usable Volume	170 µL	200 µL	170 µL	200 µL	250 µL	150 µL
Residual Volume	<2 µL	<1 µL	<1 µL	<12 µL	<2 µL	<2 µL
Composition	Glass	Glass	Glass	Glass	Glass	Polypro

8mm CrimpTop Vials

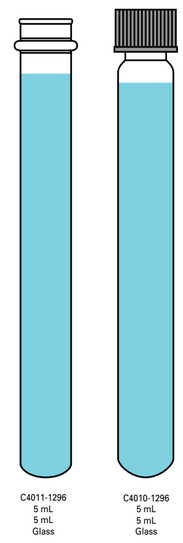


Part No.	C4008-1	C4008-730	C4008-632C	C4008-632R	C4008-739	C4008-740	C4008-741	C4008-742
Dimensions	8 x 30	7 x 30	6 x 32	6 x 32	7 x 40	7 x 40	7 x 40	7 x 40
Common Description	0.8 mL	0.5 mL	0.2 mL	0.3 mL	0.7 mL	0.7 mL	0.8 mL	0.8 mL
Approx. Total Capcity	1 mL	550 µL	250 µL	325 µL	575 µL	575 µL	775 µL	775 µL
Rec. Usable Volume	0.8 mL	400 µL	200 µL	250 µL	450 µL	450 µL	650 µL	650 µL
Residual Volume	<80 µL	<3 µL	<3 µL	<6 µL	<2 µL	<2 µL	<70 µL	<70 µL
Composition	Glass	Amber	Glass	Glass	Glass	Amber	Glass	Amber

Headspace Vials

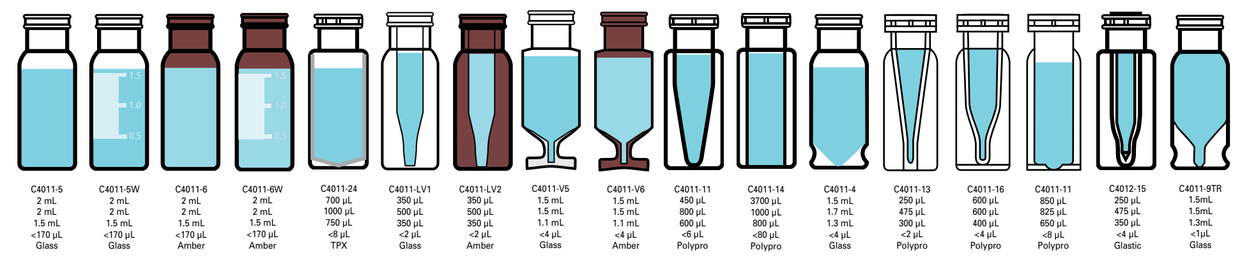
Part No.	C4020-20	C4020-10	C4020-2	C4020-210	C4020-25	C4020-410	C4020-6	C4020-60	C4020-27
Common Description	20 mL	10 mL	20 mL	10 mL	20 mL	10 mL	6 mL	6 mL	27 mL
Approx. Total Capcity	21 mL	12 mL	21.5 mL	12 mL	21.5 mL	12.5 mL	9 mL	9 mL	27 mL
Composition	Glass		Glass			Glass	Glass	Glass	Glass

TOC Vials



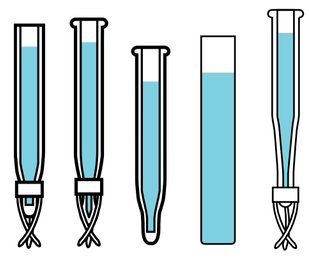
Part No.	C4011-1296	C4010-1296
Common Description	5 mL	5 mL
Approx. Total Capcity	5 mL	5 mL
Composition	Glass	Glass

Target Snap-its™ Vials - 12 x 32 mm



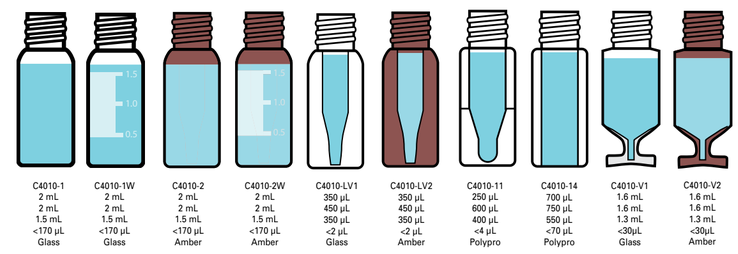
Part No.	C4011-5	C4011-5W	C4011-6	C4011-6W	C4011-24	C4011-LV1	C4011-LV2	C4011-V5	C4011-V6	C4011-11	C4011-14	C4011-4	C4011-13	C4011-16	C4011-11	C4012-15	C4011-9TR
Common Description	2 mL	2 mL	2 mL	2 mL	700 µL 1000 µL 750 µL	350 µL 500 µL 350 µL	350 µL 500 µL 350 µL	1.5 mL 1.5 mL 1.1 mL	1.5 mL 1.5 mL 1.1 mL	450 µL 800 µL 600 µL	3700 µL 1000 µL 800 µL	1.5 mL 1.7 mL 1.3 mL	250 µL 475 µL 300 µL	600 µL 600 µL 400 µL	850 µL 825 µL 650 µL	250 µL 475 µL 350 µL	1.5mL 1.5mL 1.3mL
Approx. Total Capcity	2 mL	2 mL	2 mL	2 mL													
Rec. Usable Volume	1.5 mL	1.5 mL	1.5 mL	1.5 mL													
Residual Volume	<170 µL	<170 µL	<170 µL	<170 µL	<8 µL	<2 µL	<2 µL	<4 µL	<4 µL	<6 µL	<80 µL	<4 µL	<2 µL	<4 µL	<8 µL	<4 µL	<1µL
Composition	Glass	Glass	Amber	Amber	TPX	Glass	Amber	Glass	Amber	Polypro	Polypro	Glass	Polypro	Polypro	Polypro	Glastic	Glass

Microvolume Inserts for 15 x 45 mm 4 mL Vials



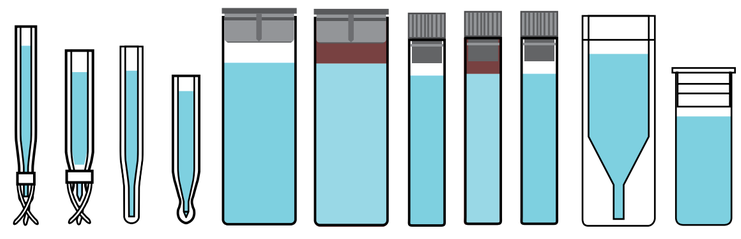
Part No.	C4015-638	C4015-641	C4015-643	C4015-843	C4015-638
Dimensions	6 x 38 mm	6 x 41 mm	6 x 42 mm	6 x 43 mm	6 x 39 mm
Common Description	700 µL	500 µL	500 µL	1 mL	0.3 mL
Approx. Total Capcity	950 µL	575 µL	375 µL	1.25 mL	375 µL
Rec. Usable Volume	800 µL	500 µL	300 µL	1 mL	300 µL
Residual Volume	<9 µL	<6 µL	<8 µL	<90 µL	<8 µL
Composition	Glass	Glass	Glass	Glass	Glass

Target Screw Thread Vials - 12 x 32 mm



Part No.	C4010-1	C4010-1W	C4010-2	C4010-2W	C4010-LV1	C4010-LV2	C4010-11	C4010-14	C4010-V1	C4010-V2
Common Description	2 mL	2 mL	2 mL	2 mL	350 µL	350 µL	250 µL	700 µL	1.6 mL	1.6 mL
Approx. Total Capcity	2 mL	2 mL	2 mL	2 mL	450 µL	450 µL	600 µL	750 µL	1.6 mL	1.6 mL
Rec. Usable Volume	1.5 mL	1.5 mL	1.5 mL	1.5 mL	350 µL	350 µL	400 µL	550 µL	1.3 mL	1.3 mL
Residual Volume	<170 µL	<170 µL	<170 µL	<170 µL	<2 µL	<2 µL	<4 µL	<70 µL	<30µL	<30µL
Composition	Glass	Glass	Amber	Amber	Glass	Amber	Polypro	Polypro	Glass	Amber

Shell Vials and Insert 8 x 40 mm Vials

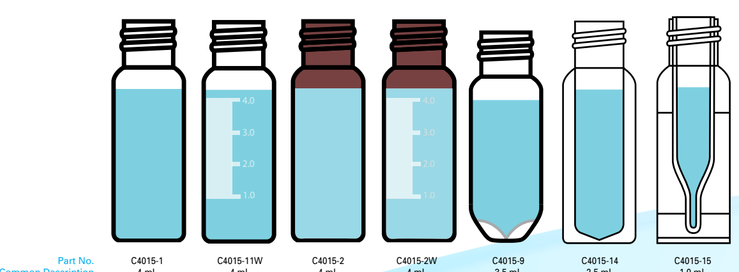


Part No.	C4015-96A	C4015-96PA	C4015-536	C4015-96A	C4015-48	C4015-49	C4015-96	C4015-99	C4015-95P	C4015-46P	C4011-80
Dimensions	5 x 36 mm	6 x 29 mm	5 x 36 mm	6 x 29 mm							
Common Description	150 µL	200 µL	150 µL	200 µL	4 mL	4 mL	1 mL	1 mL	1 mL	3.5 mL	2 mL
Approx. Total Capcity	250 µL	325 µL	275 µL	325 µL	5.5 mL	5.5 mL	1.25 mL	1.25 mL	1.25 mL	3.75 mL	2.4 mL
Rec. Usable Volume	210 µL	250 µL	225 µL	250 µL	4 mL	4 mL	1 mL	1 mL	1 mL	2 mL	1.8 mL
Residual Volume	<3 µL	<3 µL	<3 µL	<2 µL	<800 µL	<800 µL	<80 µL	<80 µL	<80 µL	<8 µL	<200 µL
Composition	Glass	PolyPro	Glass	Glass	Glass	Amber	Glass	Amber	PolyPro	PolyPro	Glass

Standard-Opening Screw Thread Vials - 12 x 32 mm

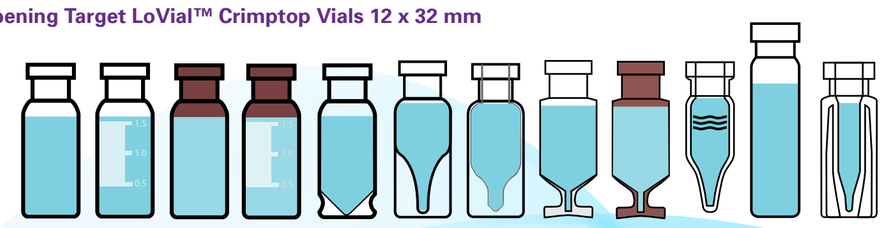
Part No.	C4013-1	C4013-1W	C4013-2	C4013-2W	C4013-12	C4013-11	C4013-19	C4013-15GST
Common Description	2 mL	1mL	2 mL	2 mL	100 µL	250 µL	750 µL	300 µL
Approx. Total Capcity	1.9 mL	1.9 mL	1.9 mL	1.9 mL	400 µL	475 µL	750 µL	450 µL
Rec. Usable Volume	1.5 mL	1.5 mL	1.5 mL	1.5 mL	200 µL	250 µL	400 µL	300 µL
Residual Volume	<170 µL	<170 µL	<170 µL	<170 µL	<2 µL	<3 µL	<4 µL	<2 µL
Composition	Glass	Glass	Amber	Amber	Glass	Polypro	Polypro	Glastic

Standard Thread Vials - 15 x 45 mm



Part No.	C4015-1	C4015-11W	C4015-2	C4015-2W	C4015-9	C4015-14	C4015-15
Common Description	4 mL	4 mL	4 mL	4 mL	3.5 mL	2.5 mL	1.0 mL
Approx. Total Capcity	5.2 mL	5.2 mL	5.2 mL	5.2 mL	4.5 mL	2.5 mL	1 mL
Rec. Usable Volume	4 mL	4 mL	4 mL	4 mL	3.5 mL	2 mL	0.75 mL
Residual Volume	<800 µL	<800 µL	<800 µL	<800 µL	<15 µL	<15 µL	<5 µL
Composition	Glass	Glass	Amber	Amber	Glass	Polypro	Glastic

Wide-Opening Target LoVial™ Crimptop Vials 12 x 32 mm



Part No.	C4011-1	C4011-1W	C4011-2	C4011-2W	C4011-9	C4011-1PT	C4011-10	C4011-V1	C4011-V2	C4011-1.7CB	C4011-1240	C4011-26
Common Description	2 mL	2 mL	2 mL	2 mL	1.5 mL	950 µL	400 µL	1.5 mL	1.5 mL	1.7 mL	2.5 mL	700 µL
Approx. Total Capcity	2 mL	2 mL	2 mL	2 mL	1.7 mL	1000 µL	650 µL	1.5 mL	1.5 mL	1.4 mL	2.6 mL	725 µL
Rec. Usable Volume	1.5 mL	1.5 mL	1.5 mL	1.5 mL	1.3 mL	800 µL	500 µL	1.1 mL	1.1 mL	1.1 mL	2.3 mL	500 µL
Residual Volume	<170 µL	<170 µL	<170 µL	<170 µL	<4 µL	<2 µL	<5 µL	<4 µL	<4 µL	<1 µL	<170 µL	<5 µL
Composition	Glass	Glass	Amber	Amber	Glass	Glass	Glass	Glass	Amber	Glass	Glass	Polyeth

Mass Spec Certified Vials

- First and only pre-cleaned, low particle, low background chromatography vial
- Tested and certified for low background by positive ESI LCMS and GCMS
- High purity closures in resealable air-tight containers
- Pre-cleaned packaging protects product integrity

Colorband Vials

- Identify your sample with blue, red, green, yellow or white color bands
- Ideal for instruments with cap optical sensors
- Use the optimum cap without sacrificing your color coding scheme
- Available in 11mm crimp top and Target DP screw top

Bonded Caps

- Electrolytically bonded into the cap reducing septa push-through
- Fully compatible with DP Target Vials
- Available as PTFE/silicone septa slit and non-slit
- Blue, green, red, black, grey, yellow 9mm caps

Total Recovery Vials

- NEW design Total Recovery Vial 1.5mL sample volume
- Large flat support base gives vial stability
- Precise tapered internal design provides maximum recovery with residual volume <1µL
- Available as 9mm screw thread or 11mm crimp/snap

Headspace Vials and Caps

- Flat and round bottom versions
- Maximize heat distribution for efficiencies
- Meet or exceed headspace instrument manufacturers recommendations
- Bevel crimp edge finish for sturdy rim offers precise crimping capabilities

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