

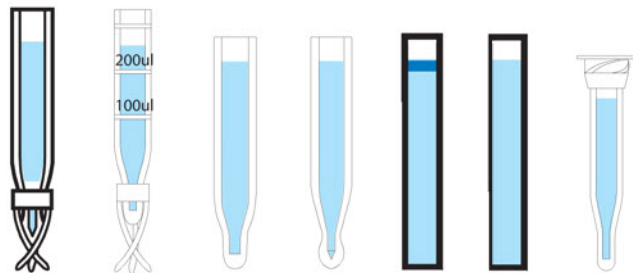
# National Scientific Vials Comparison Chart

## TARGET DP® VIALS - 12 x 32 MM



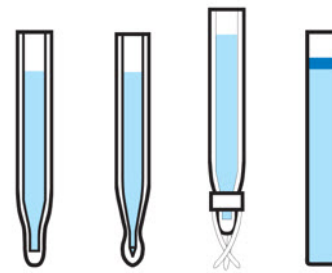
NSC #	C4000-1	C4000-1W	C4000-2	C4000-2W	C400-9	C4000-9A	C4000-V1	C4000-V2	C4000-1PT	C4000-LV1	C4000-LV1W
<i>Common Description</i>	2 mL Vial	2 mL Vial	2 mL Vial	2 mL Vial	1.5 mL Vial	1.5 mL Vial	1.5 mL	1.5 mL	950 µL	350 µL Vial	350 µL Vial
<i>Approx. Total Capacity</i>	2 mL	2 mL	2 mL	2 mL	1.7 mL	1.7 mL	1.4 mL	1.4 mL	1000 µL	475 µL	475 µL
<i>Rec. Usable Volume</i>	1.5 mL	1.5 mL	1.5 mL	1.5 mL	1.3 mL	1.3 mL	1.0 mL	1.0 mL	800 µL	350 µL	350 µL
<i>Residual Volume</i>	<170 µL	<170 µL	<170 µL	<170 µL	<4 µL	<4 µL	<4 µL	<4 µL	<2 µL	<2 µL	<2 µL

## TARGET DP® MICROVOLUME INSERTS



NSC #	C4010-630	C4010-630P	C4010-627L	C4010-629L	C4011-631	C4011-631P	C4010-630TS
<i>Dimensions</i>	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
<i>Common Description</i>	250 µL	200 µL	300 µL	300 µL	400 µL	300 µL	150 µL
<i>Approx. Total Capacity</i>	375 µL	325 µL	400 µL	400 µL	500 µL	500 µL	450 µL
<i>Rec. Usable Volume</i>	300 µL	250 µL	350 µL	350 µL	400 µL	400 µL	325 µL
<i>Residual Volume</i>	<1 µL	<2 µL	<4 µL	<2 µL	<25 µL	<25 µL	<3 µL

## STANDARD MICROVOLUME INSERTS



NSC #	C4012-529L	C4012-531L	C4012-530	C4012-465
<i>Dimensions</i>	5 x 31 mm	5 x 31 mm	5 x 29 mm	5 x 31 mm
<i>Common Description</i>	150 µL	150 µL	150 µL	200 µL
<i>Approx. Total Capacity</i>	200 µL	225 µL	200 µL	250 µL
<i>Rec. Usable Volume</i>	170 µL	200 µL	170 µL	200 µL
<i>Residual Volume</i>	<2 µL	<1 µL	<1 µL	<12 µL

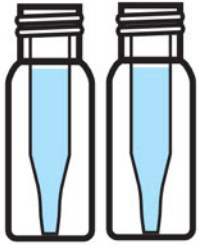
## HEADSPACE VIALS



NSC #	C4020-20	C4020-10	C4020-2	C4020-210	C4020-25
<i>Common Description</i>	20 mL	10 mL	20 mL	10 mL	20 mL
<i>Approx. Total Capacity</i>	21 mL	12 mL	21.5 mL	12 mL	21.5 mL

STANDARD-OPENING CRIMP TOP VIALS 12 x 32 MM

ALCOTT 8 x 35 MM



C4000-LV2  
350 µL Vial  
475 µL  
350 µL  
<2 µL

C4000-LV2W  
350 µL Vial  
475 µL  
350 µL  
<2 µL

*NSC #*  
*Common Description*  
*Approx. Total Capacity*  
*Rec. Usable Volume*  
*Residual Volume*



C4012-1  
2 mL  
2 mL  
1.5 mL  
<170 µL

C4012-1W  
2 mL  
2 mL  
1.5 mL  
<170 µL

C40 2-2  
2 mL  
2 mL  
1.5 mL  
<170 µL

C4012-2W  
2 mL  
2 mL  
1.5 mL  
<170 µL

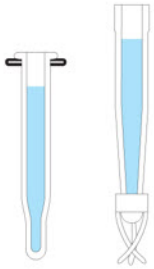
C4012-10  
100 µL  
425 µL  
200 µL  
<2 µL



*NSC #*  
*Common Description*  
*Approx. Total Capacity*  
*Rec. Usable Volume*

C4008-50  
1 mL  
1 mL  
850 µL

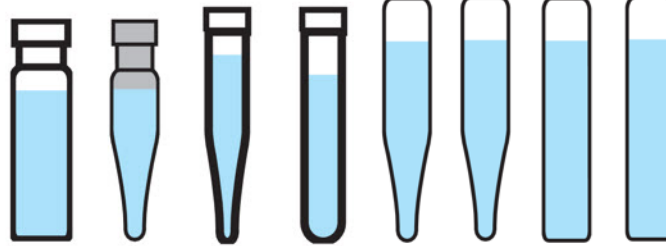
8 MM CRIMP TOP VIALS



C4012-529T  
5 x 29 mm  
150 µL  
325 µL  
250 µL  
<2 µL

C4012-530P  
5 x 30 mm  
125 µL  
175 µL  
150 µL  
<2 µL

*NSC #*  
*Dimensions*  
*Common Description*  
*Approx. Total Capacity*  
*Rec. Usable Volume*  
*Residual Volume*



C4008-1  
8 x 30  
0.8 mL  
1 mL  
0.8 mL  
<80 µL

C4008-730  
7 x 30  
0.5 mL  
550 µL  
400 µL  
<3 µL

C4008-632C  
6 x 32  
0.2 mL  
250 µL  
200 µL  
<3 µL

C4008-632R  
6 x 32  
0.3 mL  
325 µL  
250 µL  
<6 µL

C4008-739  
7 x 40  
0.7 mL  
575 µL  
450 µL  
<2 µL

C4008-740  
7 x 40  
0.7 mL  
575 µL  
450 µL  
<2 µL

C4008-741  
7 x 40  
0.8 mL  
775 µL  
650 µL  
<70 µL

C4008-742  
7 x 40  
0.8 mL  
775 µL  
650 µL  
<70 µL

TOC VIALS

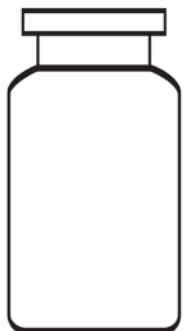


C4011-1296  
5 mL  
5 mL

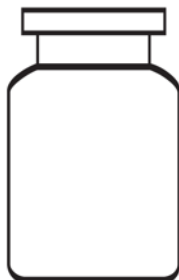
C4010-1296  
5 mL  
5 mL

*NSC #*  
*Common Description*  
*Approx. Total Capacity*

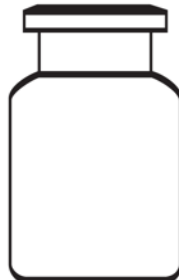
*NSC#:* Refer to the product page for amber glass  
*Dimensions:* Does not include PolySpring height  
*Common Description:* Common name associated with the item  
*Approx. Total Capacity:* Volume when filled level with the rim  
*Rec. Usable Volume:* Maximum fill volume for routine applications on most autosamplers.



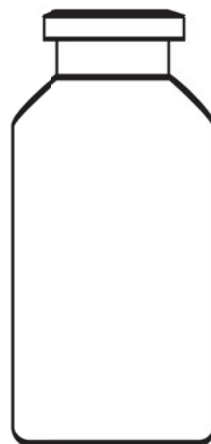
C4020-410  
10 mL  
12.5 mL



C4020-6  
6 mL  
9 mL



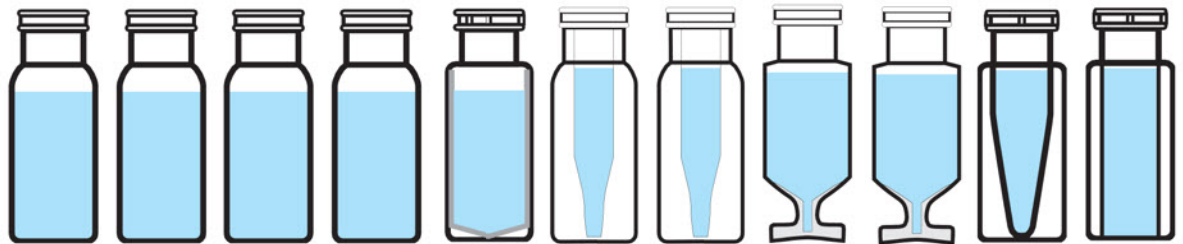
C4020-60  
6 mL  
9 mL



C4020-27  
27 mL  
27 mL

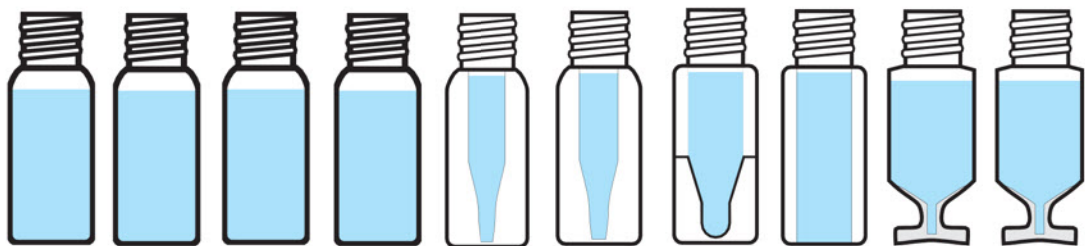
# National Scientific Vials Comparison Chart

## TARGET® SNAP-IT VIALS - 12 x 32 MM



NSC #	C4011-5	C4011-5W	C4011-6	C4011-6W	C4011-24	C4011-LV1	C4011-LV2	C4011-V5	C4011-V6	C4011-11	C4011-14
Common Description	2 mL	2 mL	2 mL	2 mL	700 µL	350 µL	350 µL	1.5 mL	1.5 mL	450 µL	3700 µL
Approx. Total Capacity	2 mL	2 mL	2 mL	2 mL	1000 µL	500 µL	500 µL	1.5 mL	1.5 mL	800 µL	1000 µL
Rec. Usable Volume	1.5 mL	1.5 mL	1.5 mL	1.5 mL	750 µL	350 µL	350 µL	1.1 mL	1.1 mL	600 µL	800 µL
Residual Volume	<170 µL	<170 µL	<170 µL	<170 µL	<4 µL	<2 µL	<2 µL	<4 µL	<4 µL	<6 µL	<80 µL

## TARGET® SCREW THREAD VIALS - 12 X 32 MM



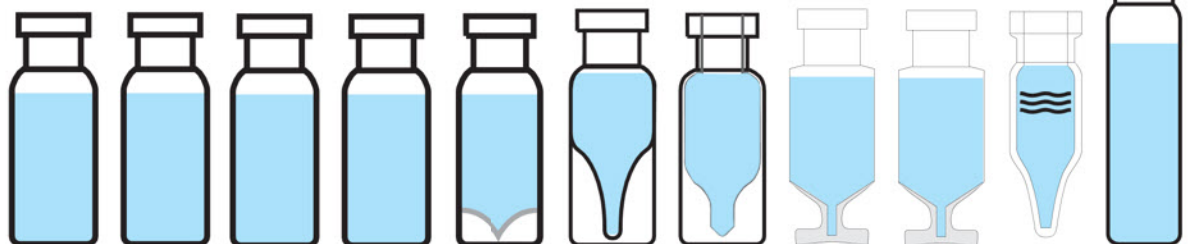
NSC #	C4010-1	C4010-1W	C4010-2	C4010-2W	C4010-LV1	C4010-LV2	C4011-11	C4011-14	C4011-V1	C4011-V2
Common Description	2 mL	2 mL	2 mL	2 mL	300 µL	350 µL	250 µL	700 µL	1.5 mL	1.5 mL
Approx. Total Capacity	2 mL	2 mL	2 mL	2 mL	400 µL	450 µL	600 µL	750 µL	1.5 mL	1.5 mL
Rec. Usable Volume	1.5 mL	1.5 mL	1.5 mL	1.5 mL	300 µL	350 µL	400 µL	550 µL	1.1 mL	1.1 mL
Residual Volume	<170 µL	<170 µL	<170 µL	<170 µL	<2 µL	<2 µL	<4 µL	<70 µL	<4 µL	<4 µL

## STANDARD-OPENING SCREW THREAD VIALS - 12 x 32 MM



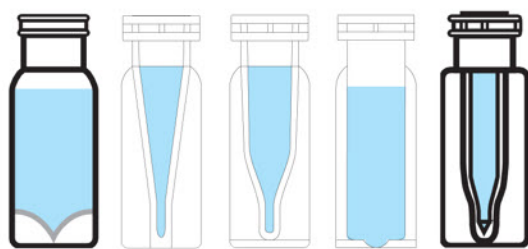
NSC #	C4013-1	C4013-2	C4013-2W	C4013-1W	C4013-12	C4013-11	C4013-19	C4013-15GST
Common Description	2 mL	2 mL	2 mL	2 mL	100 µL	250 µL	750 µL	300 µL
Approx. Total Capacity	1.9 mL	1.9 mL	1.9 mL	1.9 mL	400 µL	475 µL	750 µL	450 µL
Rec. Usable Volume	1.5 mL	1.5 mL	1.5 mL	1.5 mL	200 µL	250 µL	400 µL	300 µL
Residual Volume	<170 µL	<170 µL	<170 µL	<170 µL	<2 µL	<3 µL	<4 µL	<2 µL

## TARGET® CRIMP TOP VIALS - 12 x 32 MM

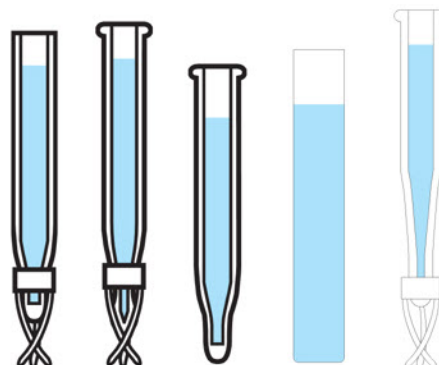


NSC #	C4011-1	C4011-1W	C4011-2	C4011-2W	C-011-9	C4011-1PT	C4011-10	C4011-V1	C4011-V2	C4011-1.7CB	C4011-1240
Common Description	2 mL	2 mL	2 mL	2 mL	15 mL	950 µL	400 µL	1.5 mL	1.5 mL	1.7 mL	2.5 mL
Approx. Total Capacity	2 mL	2 mL	2 mL	2 mL	17 mL	1000 µL	650 µL	1.5 mL	1.5 mL	1.4 mL	2.6 mL
Rec. Usable Volume	1.5 mL	1.5 mL	1.5 mL	1.5 mL	13 mL	800 µL	500 µL	1.1 mL	1.1 mL	1.1 mL	2.3 mL
Residual Volume	<170 µL	<170 µL	<170 µL	<170 µL	<4 µL	<2 µL	<5 µL	<4 µL	<4 µL	<1 µL	<170 µL

MICROVOLUME INSERTS FOR 15 x 45 MM 4 mL VIALS

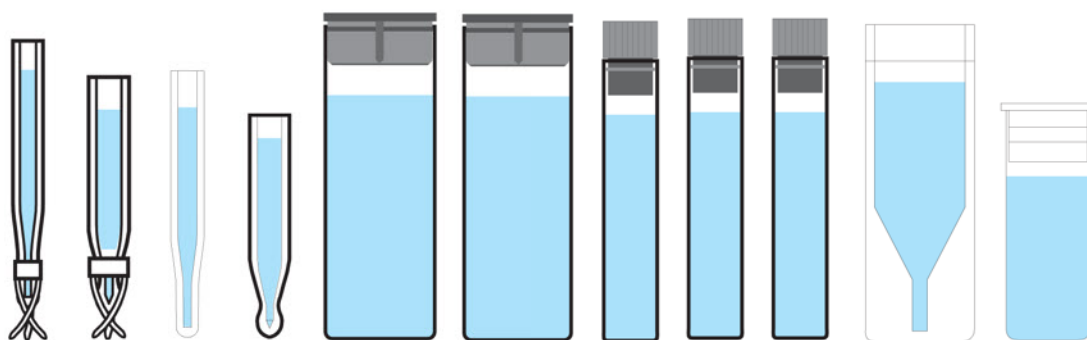


C4011-4	C4011-13	C4011-16	C4011-11	C4012-15
1.5 mL	250 µL	600 µL	850 µL	250 µL
1.7 mL	475 µL	600 µL	825 µL	475 µL
1.3 mL	300 µL	400 µL	650 µL	350 µL
<4 µL	<2 µL	<4 µL	<8 µL	<4 µL



NSC #	Dimensions	Common Description	Approx. Total Capacity	Rec. Usable Volume	Residual Volume
C4015-638	6 x 38 mm	700 µL	950 µL	800 µL	<9 µL
C4015-641	6 x 41 mm	500 µL	575 µL	500 µL	<6 µL
C4015-643	6 x 42 mm	500 µL	375 µL	300 µL	<8 µL
C4015-843	8 x 43 mm	1 mL	1.25 mL	1 mL	<90 µL
C4015-638	6 x 39 mm	0.3 mL	375 µL	300 µL	<8 µL

SHELL VIALS AND INSERTS - 8 x 40 MM VIALS



NSC #	Dimensions	Common Description	Approx. Total Capacity	Rec. Usable Volume	Residual Volume
C4015-96A	5 x 36 mm	150 µL	250 µL	210 µL	<3 µL
C4015-96PA	6 x 29 mm	200 µL	325 µL	250 µL	<3 µL
C4015-536	5 x 36 mm	150 µL	275 µL	225 µL	<3 µL
C4015-96A	6 x 29 mm	200 µL	325 µL	250 µL	<2 µL
C4015-48		4 mL	5.5 mL	4 mL	<800 µL
C4015-49		4 mL	5.5 mL	4 mL	<800 µL
C4015-96		1 mL	1.25 mL	1 mL	<80 µL
C4015-99		1 mL	1.25 mL	1 mL	<80 µL
C4015-95P		1 mL	1.25 mL	1 mL	<80 µL
C4015-46P		3.5 mL	3.75 mL	2 mL	<8 µL
C4011-80		2 mL	2.4 mL	1.8 mL	<200 µL

SCREW THREAD VIALS - 15 x 45 MM



NSC #	Common Description	Approx. Total Capacity	Rec. Usable Volume	Residual Volume	
C4011-26		700 µL	725 µL	500 µL	<5 µL
C4015-1	4 mL	5.2 mL	4 mL	<800 µL	
C4015-11W	4 mL	5.2 mL	4 mL	<800 µL	
C4015-2	4 mL	5.2 mL	4 mL	<800 µL	
C4015-2W	4 mL	5.2 mL	4 mL	<800 µL	
C4015-9	3.5 mL	4.5 mL	3.5 mL	<15 µL	
C4015-14	2.5 mL	2.5 mL	2 mL	<15 µL	
C4015-15	1.0 mL	1 mL	0.75 mL	<5 µL	