



Packaging Selection Guide for Vials, Columns, & Bottles

Section 1: Vials, Columns, and Bottles Overview

Glen Research offers a range of vials, columns, and bottles to meet specifications for your applications.

Monomers						
Description		Pack Size	Neck	Height	Diameter	Catalog Code
6.5 ml septum		50 µmoles		4.6 cm	2.2 cm	-95
		100 µmoles		4.6 cm	2.2 cm	-90
		0.25 grams		4.6 cm	2.2 cm	Some '-02's
15 ml septum		0.25 grams		4.5 cm	2.2 cm	-02
		0.5 grams		4.5 cm	2.2 cm	-05
		1 gram		4.5 cm	2.2 cm	-10
60 ml septum		2 grams		10 cm	3.3 cm	-20
		4 grams		10 cm	3.3 cm	-40
100 ml septum		5 grams		9.5 cm	5.1 cm	-50
1 oz Boston Round		50 µmoles	20-400	7.8 cm	3.1 cm	-95E
		100 µmoles	20-400	7.8 cm	3.1 cm	-90E
		0.25 grams	20-400	7.8 cm	3.1 cm	-02E
		0.5 grams	20-400	7.8 cm	3.1 cm	-05E
		1 gram	20-400	7.8 cm	3.1 cm	-10E
		0.25 grams	20-400	7.8 cm	3.1 cm	-C2 Standard base amidites only
		0.5 grams	20-400	7.8 cm	3.1 cm	-C5 Standard base amidites only
		1 gram	20-400	7.8 cm	3.1 cm	-1C Standard base amidites only
2 oz Boston Round		2 grams	20-400	9.4 cm	3.4 cm	-2C Standard base amidites only
30 mL Amber Glass Packer Bottle		50 µmoles	28-400	3.5 cm	6 cm	-95M
		100 µmoles	28-400	3.5 cm	7 cm	-90M
		0.25 grams	28-400	3.5 cm	8 cm	-02M
		0.5 grams	28-400	3.5 cm	9 cm	-05M
		1 gram	28-400	3.5 cm	10 cm	-10M
250 ml Boston Round		5 grams	28-400	13.7 cm	6 cm	-5S
		10 grams	28-400	13.7 cm	7 cm	-1S
480 ml Boston Round		20 grams	28-400	17 cm	7.2 cm	-2S Special order only

Supports					
Description		Pack Size	Length	Internal Volume	Catalog Code
Big TWIST™ Column		10 µmoles	4.5 cm	1.2 cc	-13
		15 µmoles	4.5 cm	1.2 cc	-14
Small TWIST Column		40 nmoles	2.5 cm	0.23 cc	-45
		0.2 µmoles	2.5 cm	0.23 cc	-42
		1 µmole	2.5 cm	0.23 cc	-41
Expedite™ Style Column		40 nmoles	3.75 cm	0.043 cc	-45E
		0.2 µmoles	3.75 cm	0.043 cc	-42E
		1 µmole	3.75 cm	0.135 cc	-41E
ABI 3900 Style Column for CPG supports		1 µmole	4 cm	0.1 cc	-41A Not all supports available in this as-41A
		1 µmole	4 cm	0.1 cc	-61
		40 nmoles	4 cm	0.05 cc	-45A
		0.2 µmoles	4 cm	0.05 cc	-42A
		40 nmoles	4 cm	0.05 cc	-65
		200 nmoles	4 cm	0.05 cc	-62
ABI 3900 Style Column for Polystyrene Supports		40 nmoles	4 cm	0.1 cc	-55
		200 nmoles	4 cm	0.1 cc	-52
		40 nmoles	4 cm	0.1 cc	-65
		200 nmoles	4 cm	0.1 cc	-62
MerMade Style Columns Low Volume		40 nmoles	4 cm	0.08 cc	-45M
		50 nmoles	4 cm	0.08 cc	-65
		40 nmoles	4 cm	0.08 cc	-95
MerMade Style Columns High Volume		0.2 µmoles	4 cm	0.12 cc	-42M
		1 µmole	4 cm	0.12 cc	-41M
		200 nmoles	4 cm	0.12 cc	-62
		1 µmole	4 cm	0.12 cc	-61
		200 nmoles	4 cm	0.12 cc	-92
		1 µmole	4 cm	0.12 cc	-91

Solvents/Reagents					
Description		Product Volume	Neck Size	Volume	Catalog Code
Amber, Boston Round, Glass		20 mL	20-400	1 oz	-20
		30 mL	20-400	2 oz	-30
		150 mL	24-400	6 oz	-51
		200 mL	24-400	8 oz	-52
		300 mL	28-400	16 oz	-53
		450 mL	28-400	16 oz	-57
		960 mL	33-400	32 oz	-60
		960 mL	28-400	32 oz	-61
		2000 mL	38-430	80 oz	-62
		60 mL	24-400	6 oz	-66
		180 mL	28-400	8 oz	-68
Amber, Winchester, 1L, Glass		1000 mL	GL45	1 L	-71
		500 mL	GL45	1 L	-75
		1000 mL	GL45	1 L	-1L
Amber, Serum Vial, Glass, Septum Top		45 mL	20 mm	60 mL	-45
Amber, Serum Vial, Glass, Septum Top		100 mL	20 mm	100 mL	-50
White, Nalgene®, Plastic		1000 mL	33-415	1 L	-80
		250 mL	24-415	250 mL	-82

Section 2: Vials, Columns, and Bottles by Instrument

Our selection of vials, columns, and bottles fit most manufacturer's instruments including ABI, Expedite, MerMade, Dr. Oligo and ÄKTA Oligopilot and K&A.



ABI



Expedite/K&A



MerMade



Dr. Oligo



ÄKTA Oligopilot

Section 2: Vials, Columns, and Bottles by Instrument

Monomers						
Instrument	Description	Neck	Height	Diameter	Pack Size	Catalog Code
Default/ABI	6.5 ml septum		4.6 cm	2.2 cm	50 µmoles	-95
	6.5 ml septum		4.6 cm	2.2 cm	100 µmoles	-90
	6.5 ml septum		4.6 cm	2.2 cm	0.25 grams	Some '-02's
	15 ml septum		4.5 cm	2.9 cm	0.25 grams	-02
	15 ml septum		4.5 cm	2.9 cm	0.5 grams	-05
	15 ml septum		4.5 cm	2.9 cm	1 gram	-10
	60ml septum		10 cm	3.3 cm	4 grams	-40
Default/ABI/ ÅKTA Oligopilot	60ml septum		10 cm	3.3 cm	2 grams	-20
	100 ml septum		9.5 cm	5.1 cm	5 grams	-50
Expedite (E)/K&A	1 oz Boston Round	20-400	7.8 cm	3.1 cm	50 µmoles	-95E
	1 oz Boston Round	20-400	7.8 cm	3.1 cm	100 µmoles	-90E
	1 oz Boston Round	20-400	7.8 cm	3.1 cm	0.25 grams	-02E
	1 oz Boston Round	20-400	7.8 cm	3.1 cm	0.5 grams	-05E
	1 oz Boston Round	20-400	7.8 cm	3.1 cm	1 grams	-10E
	1 oz Boston Round	20-400	7.8 cm	3.1 cm	0.25 grams	-C2 Standard base amidites only
	1 oz Boston Round	20-400	7.8 cm	3.1 cm	0.5 grams	-C5 Standard base amidites only
	1 oz Boston Round	20-400	7.8 cm	3.1 cm	1 gram	-1C Standard base amidites only
	2 oz Boston Round	20-400	9.4 cm	3.8 cm	2 grams	-2C
MerMade (M)	30 mL Amber Glass Packer Bottle	28-400	3.5 cm	6 cm	50 µmoles	-95M
	30 mL Amber Glass Packer Bottle	28-400	3.5 cm	6 cm	100 µmoles	-90M
MerMade(M)/ Dr. Oligo	30 mL Amber Glass Packer Bottle	28-400	3.5 cm	6 cm	0.25 grams	-02M
	30 mL Amber Glass Packer Bottle	28-400	3.5 cm	6 cm	0.5 grams	-05M
	30 mL Amber Glass Packer Bottle	28-400	3.5 cm	6 cm	1 gram	-10M
MerMade(M)/ Dr. Oligo/K&A	250 ml Boston Round	28-400	13.7 cm	6 cm	5 grams	-5S
	250 ml Boston Round	28-400	13.7 cm	6 cm	10 grams	-1S

Section 2: Vials, Columns, and Bottles by Instrument

Supports					
Instrument	Description	Length	Internal Volume	Pack Size	Catalog Code
ABI 392, 394, 3400	Big TWIST Column	4.5 cm	1.2 cc	10 μ moles	-13
	Small TWIST Column	2.5 cm	0.23 cc	40 nmoles	-45
	Small TWIST Column	2.5 cm	0.23 cc	0.2 μ moles	-42
	Small TWIST Column	2.5 cm	0.23 cc	1 μ mole	-41
ABI 3900/Dr. Oligo	ABI 3900 Style Column with larger top frit for CPG Supports	4 cm	0.1 cc	1 μ mole	-41A Not all supports available in this as -41A
	ABI 3900 Style Column with larger top frit for CPG Supports	4 cm	0.1 cc	1 μ mole	-61
	ABI 3900 Style Column with smaller top frit for CPG Supports	4 cm	0.05 cc	40 nmoles	-45A
	ABI 3900 Style Column with smaller top frit for CPG Supports	4 cm	0.05 cc	0.2 μ moles	-42A
	ABI 3900 Style Column with smaller top frit for CPG Supports	4 cm	0.05 cc	40 nmoles	-65
	ABI 3900 Style Column with smaller top frit for CPG Supports	4 cm	0.05 cc	200 nmoles	-62
	ABI 3900 Style Column for Polystyrene Supports	4 cm	0.1 cc	40 nmoles	-55
	ABI 3900 Style Column for Polystyrene Supports	4 cm	0.1 cc	200 nmoles	-52
	ABI 3900 Style Column for Polystyrene Supports	4 cm	0.1 cc	40 nmoles	-65
	ABI 3900 Style Column for Polystyrene Supports	4 cm	0.1 cc	200 nmoles	-62
Expedite/K&A	Big TWIST Column	4.5 cm	1.2 cc	15 μ moles	-14
	Expedite Style Column	3.75 cm	0.043 cc	40 nmoles	-45E
	Expedite Style Column	3.75 cm	0.043 cc	0.2 μ moles	-42E
	Expedite Style Column	3.75 cm	0.135 cc	1 μ mole	-41E
MerMade	MerMade Style Columns Low Volume	4 cm	0.08 cc	40 nmoles	-45M
	MerMade Style Columns High Volume	4 cm	0.12 cc	0.2 μ moles	-42M
	MerMade Style Columns High Volume	4 cm	0.12 cc	1 μ mole	-41M
	MerMade Style Columns Low Volume	4 cm	0.12 cc	50 nmoles	-65
	MerMade Style Columns High Volume	4 cm	0.12 cc	200 nmoles	-62
	MerMade Style Columns High Volume	4 cm	0.12 cc	1 μ mole	-61
	MerMade Style Columns High Volume	4 cm	0.12 cc	200 nmoles	-92
	MerMade Style Columns High Volume	4 cm	0.12 cc	1 μ mole	-91
	MerMade Style Columns Low Volume	4 cm	0.08 cc	40 nmoles	-95

Section 2: Vials, Columns, and Bottles by Instrument

Solvents/Reagents					
Instrument	Description	Neck Size	Volume	Product Volume	Catalog Code
Expedite	Amber, Boston Round, Glass	24-400	6 oz	150 mL	-51
ABI, Expedite, K&A	Amber, Boston Round, Glass	24-400 / 28-400	8 oz	200 mL	-52 / -52E
ABI, Expedite, ÄKTA Oligopilot	Amber, Tubing, Glass, Septum Top	20 mm	60 mL	45 mL	-45
ABI, Expedite, K&A, MerMade, Dr. Oligo	Amber, Boston Round, Glass	28-400	16 oz	450 mL	-57
ABI, Expedite, K & A, MerMade, Dr. Oligo, ÄKTA Oligopilot	Amber, Serum Vial, Glass, Septum Top	20 mm	100 mL	100 mL	-50
Expedite	Amber, Boston Round, Glass	28-400	16 oz	300 ml	-53
	Amber, Boston Round, Glass	24-400	6 oz	60 mL	-66
	Amber, Boston Round, Glass	28-400	8 oz	180 mL	-68
ÄKTA Oligopilot	Amber, Winchester, 1L, Glass	GL45	1 L	1000 mL	-71
MerMade	Amber, Boston Round, Glass	28-400	32 oz	960 mL	-61
MerMade, Dr. Oligo, K&A	Amber, Boston Round, Glass	38-430	80 oz	2000 mL	-62
Not Instrument Specific	Amber, Boston Round, Glass	20-400	1 oz	20 mL	-20
	Amber, Boston Round, Glass	20-400	2 oz	30 mL	-30
	Amber, Boston Round, Glass	33-400	32 oz	960 mL	-60
	Amber, Winchester, 1L, Glass	GL45	1 L	500 mL	-75
	Amber, Winchester, 1L, Glass	GL45	1 L	1000 mL	-1L
	White, Nalgene, Plastic	33-415	1 L	1000 mL	-80
	White, Nalgene, Plastic	24-415	250 mL	250 mL	-82

Section 3: Vials, Columns, and Bottles by Pack Size

Choose from our selection of vials, columns, and bottles by pack size to meet your lab's needs.

Monomers			
Pack Size/Product Volume	Instrument	Description	Catalog Code
50 μ moles	Default/ABI	6.5 mL septum	-95
	Expedite (E)/K&A	1 oz Boston Round	-95E
100 μ moles	Default/ABI	6.5 mL septum	-90
	Expedite (E)/K&A	1 oz Boston Round	-90E
	MerMade (M)	30 mL Amber Glass Packer Bottle	-90M
0.25 grams	Default/ABI	6.5 mL septum	Some '-02's
	Default/ABI	15 mL septum	-02
	Expedite (E)/K&A	1 oz Boston Round	-02E
	Expedite (E)/K&A	1 oz Boston Round	-C2 Standard base amidites only
	MerMade (M)/Dr. Oligo	30 mL Amber Glass Packer Bottle	-02M
0.5 grams	Default/ABI	15 mL septum	-05
	Expedite (E)/K&A	1 oz Boston Round	-05E
	Expedite (E)/K&A	1 oz Boston Round	-10E
	Expedite (E)/K&A	1 oz Boston Round	-C5 Standard base amidites only
	MerMade (M)/Dr. Oligo	30 mL Amber Glass Packer Bottle	-05M
1 gram	Default/ABI	15 mL septum	-10
	Expedite (E)/K&A	1 oz Boston Round	-1C Standard base amidites only
	MerMade (M)/Dr. Oligo	30 mL Amber Glass Packer Bottle	-10M
2 grams	Default/ABI/ÄKTA Oligopilot	60 mL septum	-20
	Expedite (E)/K&A	2 oz Boston Round	-2C Standard base amidites only
4 grams	Default/ABI	60 mL septum	-40
5 grams	Default/ABI/ÄKTA Oligopilot	100 mL septum	-50
	MerMade (M)/Dr. Oligo/K&A	250 mL Boston Round	-5S
10 grams	MerMade (M)/Dr. Oligo/K&A	250 mL Boston Round	-1S
20 grams		480 mL Boston Round	-2S Special order only

Supports			
Pack Size/Product Volume	Instrument	Description	Catalog Code
0.2 μ moles	ABI 392, 394, 3400	Small TWIST Column	-42
	Expedite, K&A	Expedite Style Column	-42E
	ABI 3900/Dr. Oligo	ABI 3900 Style Column with smaller top frit for CPG supports	-42A
	MerMade	MerMade Style Columns High Volume	-42M
1 μ mole	ABI 392, 394, 3400	Small TWIST Column	-41
	Expedite, K&A	Expedite Style Column	-41E
	ABI 3900/Dr. Oligo	ABI 3900 Style Column with larger top frit for CPG supports	-41A Not all supports available in this as -41A
	ABI 3900/Dr. Oligo	ABI 3900 Style Column with larger top frit for CPG supports	-61
	MerMade	MerMade Style Columns High Volume	-41M
	MerMade	MerMade Style Columns High Volume	-61
	MerMade	MerMade Style Columns High Volume	-91
10 μ moles	ABI 392, 394, 3400	Big TWIST Column	-13
15 μ moles	Expedite, K&A	Big TWIST Column	-14
40 nmoles	ABI 392, 394, 3400	Small TWIST Column	-45
	Expedite, K&A	Expedite™ Style Column	-45E
	ABI 3900/Dr. Oligo	ABI 3900 Style Column with smaller top frit for CPG supports	-45A
	ABI 3900/Dr. Oligo	ABI 3900 Style Column with smaller top frit for CPG supports	-65
	ABI 3900/Dr. Oligo	ABI 3900 Style Column for Polystyrene Supports	-55
	ABI 3900/Dr. Oligo	ABI 3900 Style Column for Polystyrene Supports	-65
	MerMade	MerMade Style Columns Low Volume	-45M
	MerMade	MerMade Style Columns Low Volume	-95
50 nmoles	MerMade	MerMade Style Columns Low Volume	-65
200 nmoles	ABI 3900/Dr. Oligo	ABI 3900 Style Column with smaller top frit for CPG supports	-62
	ABI 3900/Dr. Oligo	ABI 3900 Style Column for Polystyrene Supports	-52
	ABI 3900/Dr. Oligo	ABI 3900 Style Column for Polystyrene Supports	-62
	MerMade	MerMade Style Columns High Volume	-62
	MerMade	MerMade Style Columns High Volume	-92

Section 3: Vials, Columns, and Bottles by Pack Size

Solvent/Reagent			
Pack Size/Product Volume	Instrument	Description	Catalog Code
20 mL	Not instrument specific	Amber, Boston Round, Glass	-20
30 mL	Not instrument specific	Amber, Boston Round, Glass	-30
45 mL	ABI, Expedite, ÄKTA Oligopilot	Amber, Serum Vial, Glass, Septum Top	-45
60 mL	Expedite	Amber, Boston Round, Glass	-66
100 mL	ABI, Expedite, MerMade, ÄKTA Oligopilot, Dr. Oligo, K&A	Amber, Serum Vial, Glass, Septum Top	-50
100 mL	Expedite	Amber, Boston Round, Glass	-51
180 mL	Expedite	Amber, Boston Round, Glass	-68
200 mL	ABI, Expedite, K&A	Amber, Boston Round, Glass	-52
250 mL	Not instrument specific	White, Nalgene, Plastic	-82
300 mL	Expedite	Amber, Boston Round, Glass	-53
450 mL	ABI, Expedite, MerMade, Dr. Oligo, K&A	Amber, Boston Round, Glass	-57
500 mL	Not instrument specific	Amber, Winchester, 1L, Glass	-75
960 mL	Not instrument specific	Amber, Boston Round, Glass	-60
	MerMade	Amber, Boston Round, Glass	-61
1000 mL	ÄKTA Oligopilot	Amber, Winchester, 1L, Glass	-71
	Not instrument specific	Amber, Winchester, 1L, Glass	-1L
	Not instrument specific	White, Nalgene, Plastic	-80
2000 mL	MerMade, Dr. Oligo, K&A	Amber, Boston Round, Glass	-62