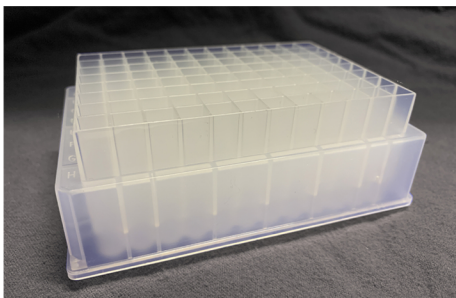
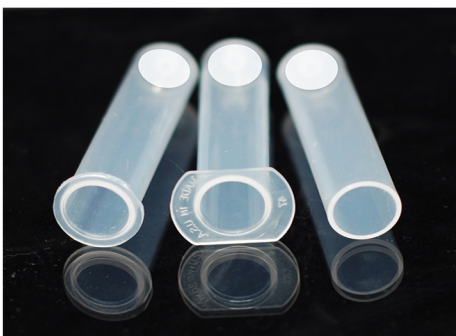


# Spe-ed™ SPE Solid Phase Extraction Consumables 2025



## **Empty Polypropylene Cartridges**

Standard Cartridge with one Hydrophobic Frit  
Standard Cartridge with two Hydrophobic Frits  
Flangeless Cartridge with one Hydrophobic Frit

## **Frits**

Hydrophobic Polyethylene  
Hydrophobic Polyethylene 1/8" Thick  
Hydrophilic Polyethylene  
PTFE

## **Accessories**

Cap Plugs  
Luer Fitted Plugs  
White Luer Tips  
Syringe Plungers  
One-Way Stopcocks  
Universal Adaptors

## **Burst Cartridges**

## **Mini Spe-ed Cartridges**

## **Spe-ed Cartridges**

Standard  
Super *Spe-ed*  
Other Standard *Spe-ed* Cartridges  
Flangeless  
Rimless

## **Spe-ed Advanta**

Standard  
*Spe-ed* Flow Advanta

## **Spe-ed 96-Well Plates**

Standard  
Standard with Sorbents

## **Spe-ed eL/Lute**

## **Spe-ed Mate Vacuum Manifolds**

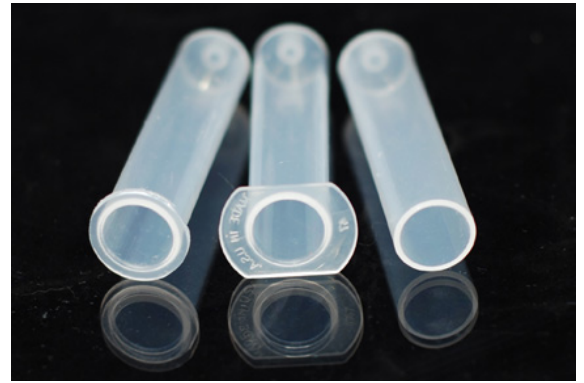
## **Bulk Sorbent**



# Empty Polypropylene Cartridges

## Standard

Size	Qty per Pack	Catalog No.	Price
1mL	100	2442	\$50.10
3mL	100	2443	\$50.10
6mL	100	2417	\$53.25
12mL	100	2410	\$68.45
20mL	100	2453	\$92.10
35mL	100	2434	\$79.75
60mL	100	2444	\$123.25
Mini	100	2445	\$215.45
500mg LRC	100	2408	\$113.95



Flangeless - Standard - Rimless

## Flangeless

Size	Qty per Pack	Catalog No.	Price
1mL	100	13060	\$59.30
3mL	100	13061	\$60.00
6mL	100	13062	\$60.75
12mL	100	13063	\$95.00

## Rimless

Size	Qty per Pack	Catalog No.	Price
1mL	100	14204	\$80.70
3mL	100	14205	\$91.20
6mL	100	14206	\$99.75
12mL	100	14207	\$113.95

*Prices subject to change without notice.*

# Empty Polypropylene Cartridges with Frits

## Standard Cartridge with one Hydrophobic Frit

		20µPE Frit		70µPE Frit		100µPE Frit		5µPTFE Frit	
Size	Qty per Pack	Catalog No.	Price	Catalog No.	Price	Catalog No.	Price	Catalog No.	Price
1mL	100	2411	\$71.80	2449	\$71.80	2924	\$93.30	2933	\$109.25
3mL	100	2413	\$78.15	2450	\$78.15	2925	\$101.55	2934	\$117.25
6mL	100	2416	\$90.95	2454	\$90.95	2926	\$118.20	2935	\$136.45
12mL	100	2419	\$117.20	2427	\$117.20	2927	\$139.00	2936	\$160.35
20mL	100	2464	\$135.45	2500	\$135.45	2510	\$176.15	2518	\$203.25
35mL	100	2435	\$119.60	2455	\$119.60	2928	\$155.50	2937	\$179.45
60mL	100	2446	\$179.00	2456	\$179.00	2929	\$227.90	2938	\$255.90
Mini	100	2447	\$239.25	2457	\$239.25	2930	\$263.05	2940	\$286.85
500mg LRC	100	2409	\$143.60	2463	\$143.60	2932	\$191.75	2939	\$215.45

## Standard Cartridge with two Hydrophobic Frits

		20µPE Frit	
Size	Qty per Pack	Catalog No.	Price
1mL	100	8162	\$112.45
3mL	100	8171	\$128.55
6mL	100	8163	\$130.60
12mL	100	8172	\$165.95
20mL	100	8165	\$182.35
35mL	100	8166	\$165.60
60mL	100	8167	\$222.00
Mini	Inquire		
500mg LRC	Inquire		



Prices subject to change without notice.

# Empty Polypropylene Cartridges with Frits

## Flangeless Cartridge with one Hydrophobic Frit

		20 $\mu$ PE Frit		70 $\mu$ PE Frit		100 $\mu$ PE Frit		5 $\mu$ PTFE Frit	
Size	Qty per Pack	Catalog No.	Price	Catalog No.	Price	Catalog No.	Price	Catalog No.	Price
1mL	100	13066	\$112.60	13072	\$146.10	13078	\$112.60	13084	\$265.53
3mL	100	13067	\$118.05	13073	\$153.15	13079	\$118.05	13085	\$290.15
6mL	100	13068	\$125.20	13074	\$166.70	13080	\$125.20	13086	\$322.70
12mL	100	13069	\$162.70	13075	\$227.20	13081	\$162.70	13087	\$372.90



*Prices subject to change without notice.*

# Frits



## Hydrophobic Polyethylene

			20μ		70μ		100μ	
Size	Measurement	Qty per Pack	Catalog No.	Price	Catalog No.	Price	Catalog No.	Price
1mL	6.0 mm	100	2421	\$38.30	2493	\$38.30	2952	\$38.30
3mL	9.25 mm	100	2423	\$43.05	2494	\$43.05	2953	\$43.05
6mL	12.95 mm	100	2426	\$49.45	2495	\$49.45	2954	\$49.45
12mL	15.75 mm	100	2488	\$52.70	2430	\$52.70	2955	\$52.70
20mL	20.20 mm	100	2487	\$53.25	2452	\$53.20	2460	\$53.20
35mL	22.92 mm	100	2431	\$55.80	2496	\$55.80	2956	\$55.80
60mL	26.8 mm	100	2489	\$62.40	2469	\$62.40	2957	\$62.40
Mini	9.8 mm	100	2491	\$43.10	2468	\$43.10	2958	\$43.10
500mg LRC	9.25 mm	100	2451	\$43.10	2425	\$43.10	2960	\$43.10

## Hydrophobic Polyethylene 1/8" Thick

		20μ	
Size	Qty per Pack	Catalog No.	Price
D40	100	12077	\$60.70
D65	50	12074	\$83.55
D67	50	12084	\$88.55

*Prices subject to change without notice.*



## Frits



### Hydrophilic Polyethylene

			20 $\mu$		70 $\mu$		100 $\mu$	
Size	Measurement	Qty per Pack	Catalog No.	Price	Catalog No.	Price	Catalog No.	Price
1mL	6.0 mm	100	2961	\$41.45	2970	\$41.45	2979	\$41.45
3mL	9.25 mm	100	2962	\$46.25	2971	\$46.25	2980	\$46.25
6mL	12.95 mm	100	2963	\$52.70	2972	\$52.70	2981	\$52.70
12mL	15.75 mm	100	2964	\$55.80	2973	\$55.80	2982	\$55.80
35mL	22.92 mm	100	2965	\$59.00	2974	\$59.00	2983	\$59.00
60mL	26.8 mm	100	2966	\$63.70	2975	\$63.70	2984	\$63.70
Mini	9.8 mm	100	2967	\$46.25	2976	\$46.25		
500mg LRC	9.25 mm	100	2969	\$46.25	2978	\$46.25		

### PTFE

			5 $\mu$ PTFE	
Size	Measurement	Qty per Pack	Catalog No.	Price
1mL	6.0 mm	100	2499	\$191.23
3mL	9.25 mm	100	2901	\$215.15
6mL	12.95 mm	100	2902	\$246.95
12mL	15.75 mm	100	2903	\$262.90
35mL	22.92 mm	100	2904	\$278.80
60mL	26.8 mm	100	2905	\$302.75
Mini	9.8 mm	100	2906	\$215.15
500mg LRC	9.25 mm	100	2908	\$215.15

*Prices subject to change without notice.*

# Accessories

## Cap Plugs

Size	Qty per Pack	Catalog No.	Price
1mL	100	8155	\$25.00
3mL	100	8054	\$25.00
6mL	100	8156	\$25.00
12mL	100	8157	\$27.50
20mL	100	8160	\$25.00
35mL	100	8158	\$30.00
60mL	100	8159	\$30.00



## Luer Fitted Plugs

Size	Qty per Pack	Catalog No.	Price
One Size	30	1034	\$11.50

## White Luer Tips

Size	Qty per Pack	Catalog No.	Price
One Size	100	8050	\$29.80



## Syringe Plungers

Size	Qty per Pack	Catalog No.	Price
60mL	100	2911	\$113.05



Prices subject to change without notice.

# Accessories

## One-Way Stopcocks

Size	Qty per Pack	Catalog No.	Price
Teflon/PTFE	10	2406	\$249.50
Nylon	10	2403	\$124.50



## Universal Adaptors

Fits 1, 3, 6, and 12mL Spe-ed Cartridges			
Size	Qty per Pack	Catalog No.	Price
One Size	10	2402	\$140.00

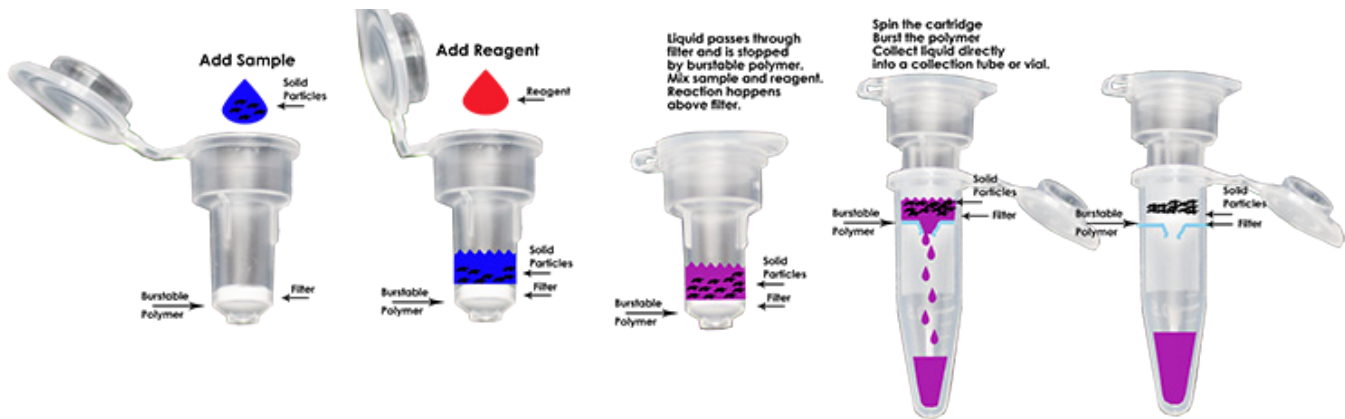


*Prices subject to change without notice.*

# Burst Cartridges - An Alternative to Pipetting for Protein, DNA, and other Precipitations

No pipetting. Centrifuge the Burst cartridge to break the film and collect directly into your collection tube or vial.

Fewer steps and no risk of contaminating your sample with the pellet.



## Burst Sets

Catalog No.	Description	Qty per Pack	Price
1800	Burst Set	50	\$73.80
1802	Burst Set	250	\$291.55
1803	Burst Set	500	\$464.15

*Prices subject to change without notice.*



# Mini *Spe-ed* Cartridges

The Mini *Spe-ed* configuration can be used in manual syringe operations or with a vacuum manifold.



Catalog No.	Description	Qty per Pack	Price
2445	Mini <i>Spe-ed</i> Empty Cartridge	100	\$215.45
2447	Mini <i>Spe-ed</i> Cartridge w/ 20 $\mu$ PE Frit	100	\$239.25
2491	Loose Frits for Mini <i>Spe-ed</i> Cartridges	100	\$43.10
2457	Mini <i>Spe-ed</i> Cartridges with 70 $\mu$ PE Frit	100	\$239.25
2930	Mini <i>Spe-ed</i> Cartridges with 100 $\mu$ PE Frit	100	\$263.05
2940	Mini <i>Spe-ed</i> Cartridges with 5 $\mu$ PTFE Frit	100	\$286.85
2547	Mini <i>Spe-ed</i> Cartridges with 20 $\mu$ Hydrophilic Frit	100	\$239.25

*Prices subject to change without notice.*

## Mini Spe-ed Cartridges

The Mini *Spe-ed* configuration can be used in manual syringe operations or with a vacuum manifold. All Mini *Spe-ed* cartridges contain 500mg of solvent with 20 $\mu$  Hydrophobic Polyethylene frits.



Catalog No.	Sorbent	Qty/Pk	Price
14001	C18/14 Octadecyl/14%	50	\$193.00
14002	C18/18 Octadecyl/18%	50	\$193.00
14003	C18/22 Octadecyl/22%	50	\$193.00
14004	C18/OH Octadecyl/OH	50	\$193.00
14005	C8 Octyl	50	\$193.00
14006	PH Phenyl	50	\$193.00
14007	CH Cyclohexyl	50	\$193.00
14013	CN Cyanopropyl	50	\$193.00
14014	SI Silica Gel	50	\$193.00
14015	FLO Florisil	50	\$193.00
14016	ALN Alumina (Neutral)	50	\$193.00
14017	ALA Alumina (Acidic)	50	\$193.00
14018	ALB Alumina (Basic)	50	\$193.00
14019	DIO Diol	50	\$193.00
14020	COOH Carboxylic Acid	50	\$193.00
14021	SCX Benzenesulfonic Acid	50	\$193.00
14022	NH2 Aminopropyl	50	\$193.00
14023	PSA Pri/Sec Amine	50	\$193.00
14024	DEA Diethylamino	50	\$193.00
14025	N+ Quaternary Amino	50	\$193.00
14500	Na2SO4 <i>Spe-ed</i> DRI-1(for water removal) *	50	\$193.00
14031	Polyamide <i>Spe-ed</i> Amide-2 **	50	\$193.00

\*Very mild,slow, high capacity; good for gross pre-drying. Contains Na2SO4.

\*\*See additional information for *Spe-ed* Amide-2.

Prices subject to change without notice.

# Spe-ed Cartridges

## Standard

Sorbent packed in standard 1mL, 3mL, 6mL, 12mL or LRC polypropylene cartridge syringe barrels with 20 $\mu$  Hydrophobic Polyethylene frits.

Other frits available upon request including 70 $\mu$  and 100 $\mu$  Hydrophobic Polyethylene or Hydrophilic Polyethylene and 5 $\mu$  PTFE. Please inquire for prices.



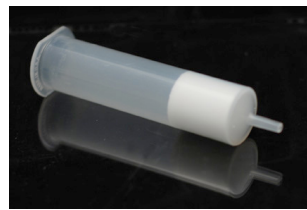
			Catalog Number						
			1mL	3mL	3mL	6mL	6mL	12mL	LRC
Sorbent	Description	Price Code	100mg	200mg	500mg	500mg	1000mg	1000mg	500mg
C18	Octadecyl/14	A	2001	2002	2003	2006	2007	2009	3005
C18	Octadecyl/18	A	12001	12002	12003	12006	12007	12009	3045
C18	Octadecyl/22	A	12101	12102	12103	12106	12107	12109	3095
C18	Octadecyl/OH (not endcapped)	A	12201	12202	12203	12206	12207	12209	3195
C8	Octyl	A	2011	2012	2013	2016	2017	2019	3015
PH	Phenyl	A	2081	2082	2083	2086	2087	2089	3085
CH	Cyclohexyl	A	2071	2072	2073	2076	2077	2079	3075
C4	Butyl	A	2021	2022	2023	2026	2027	2029	3025
C2	Ethyl	A	2061	2062	2063	2066	2067	2069	3065
C1	Methyl	A	2051	2052	2053	2056	2057	2059	3055
CNe	Cyanopropyl	B	2221	2222	2223	2226	2227	2229	3225
CN	Cyanopropyl (not endcapped)	B	2201	2202	2203	2206	2207	2209	3205
SI	Silica Gel	C	2101	2102	2103	2106	2107	2109	3105
	<b>Cartridges / pack</b>		<b>100</b>	<b>50</b>	<b>50</b>	<b>30</b>	<b>30</b>	<b>20</b>	<b>30</b>
	Pricing for Code	A	\$181.80	\$119.60	\$137.20	\$90.95	\$126.05	\$90.95	\$86.20
	Pricing for Code	B	\$218.50	\$143.55	\$175.40	\$118.00	\$162.75	\$117.90	\$114.75
	Pricing for Code	C	\$154.70	\$102.05	\$119.60	\$81.35	\$105.25	\$76.65	\$78.10

Prices subject to change without notice.

# Spe-ed Cartridges

## Standard

Sorbent packed in standard 1mL, 3mL, 6mL, 12mL or LRC polypropylene cartridge syringe barrels with 20 $\mu$  Hydrophobic Polyethylene frits.



Other frits available upon request including 70 $\mu$  and 100 $\mu$  Hydrophobic Polyethylene or Hydrophilic Polyethylene and 5 $\mu$  PTFE. Please inquire for prices.

			Catalog Number						
			1mL	3mL	3mL	6mL	6mL	12mL	LRC
Sorbent	Description	Price Code	100mg	200mg	500mg	500mg	1000mg	1000mg	500mg
FLO	Florisil	C	2111	2112	2113	2116	2117	2119	3115
ALN	Alumina (Neutral)	C	2121	2122	2123	2126	2127	2129	3125
ALA	Alumina (Acidic)	C	2131	2132	2133	2136	2137	2139	3135
ALB	Alumina (Basic)	C	2141	2142	2143	2146	2147	2149	3145
DIO	Diol	B	2151	2152	2153	2156	2157	2159	3155
COOH	Carboxylic Acid	B	2311	2312	2313	2316	2317	2319	3315
SCX	Benzenesulfonic Acid	B	2321	2322	2323	2326	2327	2329	3325
NH2	Aminopropyl	B	2211	2212	2213	2216	2217	2219	3215
PSA	Pri/Sec Amine	B	2241	2242	2243	2246	2247	2249	3245
DEA	Diethylamino	B	2331	2332	2333	2336	2337	2339	3335
N+	Quaternary Amino	B	2301	2302	2303	2306	2307	2309	3305
Na2SO4	Spe-ed DRI-1 (for water removal) *	D	INQUIRE						
Polyamide	Spe-ed Amide-2 **	E	4821	4822	4823	4824	4825	4827	4836
	<b>Cartridges / pack</b>		<b>100</b>	<b>50</b>	<b>50</b>	<b>30</b>	<b>30</b>	<b>20</b>	<b>30</b>
	Pricing for Code	B	\$218.50	\$143.55	\$175.40	\$118.00	\$162.75	\$117.90	\$114.75
	Pricing for Code	C	\$154.70	\$102.05	\$119.60	\$81.35	\$105.25	\$76.65	\$78.10
	Pricing for Code	D	INQUIRE						
	Pricing for Code	E	\$199.35	\$151.70	\$159.45	\$108.05	\$136.00	\$106.90	\$99.55

\*Very mild,slow, high capacity; good for gross pre-drying. Contains Na2SO4.

\*\*See additional information for Spe-ed Amide-2.

Prices subject to change without notice.



# Spe-ed Cartridges

## Super Spe-ed

Sorbent packed in larger volume 6mL, 12mL, 35mL or 60mL polypropylene cartridge syringe barrels with 20 $\mu$  Hydrophobic Polyethylene frits.

Other frits available upon request including 70 $\mu$  and 100 $\mu$  Hydrophobic Polyethylene or Hydrophilic Polyethylene and 5 $\mu$  PTFE. Please inquire for prices.



			Catalog Number							
			6mL	12mL	35mL	12mL	35mL	35mL	60mL	60mL
Sorbent	Description	Price Code	2g	2g	2g	3g	3g	5g	10g	20g
C18	Octadecyl/14	A	2008	5001	5002	5003	5004	5005	5007	5008
C18	Octadecyl/18	A	12008	15001	15002	15003	15004	15005	5006	15008
C18	Octadecyl/22	A	12108	15101	15102	15103	15104	15105	5009	15108
C18	Octadecyl/OH (not endcapped)	A	12208	15201	15202	15203	15204	15205	15207	15208
C8	Octyl	A	2018	5011	5012	5013	5014	5015	5017	5018
PH	Phenyl	A	2088	5081	5082	5083	5084	5085	5087	5088
CH	Cyclohexyl	A	2078	5071	5072	5073	5074	5075	5077	5078
C4	Butyl	A	2028	5021	5022	5023	5024	5025	5027	5028
C2	Ethyl	A	2068	5061	5062	5063	5064	5065	5067	5068
C1	Methyl	A	2058	5051	5052	5053	5054	5055	5057	5058
CNe	Cyanopropyl	B	2228	5221	5222	5223	5224	5225	5227	5228
CN	Cyanopropyl (not endcapped)	B	2208	5201	5202	5203	5204	5205	5207	5208
SI	Silica Gel	C	2108	5101	5102	5103	5104	5105	5107	5108
<b>Cartridges / pack</b>			<b>30</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>12</b>	<b>12</b>
Pricing for Code		A	\$215.15	\$143.45	\$148.20	\$184.85	\$189.65	\$236.10	\$172.00	\$336.60
Pricing for Code		B	\$245.35	\$151.40	\$157.75	\$189.65	\$194.40	\$266.10	\$175.05	\$343.25
Pricing for Code		C	\$156.15	\$94.10	\$98.80	\$121.25	\$125.85	\$138.75	\$145.85	\$276.45

Prices subject to change without notice.

# Spe-ed Cartridges

## Super Spe-ed

Sorbent packed in larger volume 6mL, 12mL, 35mL or 60mL polypropylene cartridge syringe barrels with 20 $\mu$  Hydrophobic Polyethylene frits.

Other frits available upon request including 70 $\mu$  and 100 $\mu$  Hydrophobic Polyethylene or Hydrophilic Polyethylene and 5 $\mu$  PTFE. Please inquire for prices.



			Catalog Number							
			6mL	12mL	35mL	12mL	35mL	35mL	60mL	60mL
Sorbent	Description	Price Code	2g	2g	2g	3g	3g	5g	10g	20g
FLO	Florisil	C	2118	5111	5112	5113	5114	5115	5117	5118
ALN	Alumina (Neutral)	C	2128	5121	5122	5123	5124	5125	5127	5128
ALA	Alumina (Acidic)	C	2138	5131	5132	5133	5134	5135	5137	5138
ALB	Alumina (Basic)	C	2148	5141	5142	5143	5144	5145	5147	5148
DIO	Diol	B	2158	5151	5152	5153	5154	5155	5157	5158
COOH	Carboxylic Acid	B	2318	5311	5312	5313	5314	5315	5317	5318
SCX	Benzenesulfonic Acid	B	2328	5321	5322	5323	5324	5325	5327	5328
NH2	Aminopropyl	B	2218	5211	5212	5213	5214	5215	5217	5218
PSA	Pri/Sec Amine	B	2248	5241	5242	5243	5244	5245	5247	5248
DEA	Diethylamino	B	2338	5331	5332	5333	5334	5335	5337	5338
N+	Quaternary Amino	B	2308	5301	5302	5303	5304	5305	5307	5308
Na2SO4	Spe-ed DRI-1 (for water removal) *	D	INQUIRE							
Polyamide	Spe-ed Amide-2 **	D	4826	4828	4830	4829	4831	4832	4833	4834
	<b>Cartridges / pack</b>		<b>30</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>12</b>	<b>12</b>
	Pricing for Code	B	\$245.35	\$151.40	\$157.75	\$189.65	\$194.40	\$266.10	\$175.05	\$343.25
	Pricing for Code	C	\$156.15	\$94.10	\$98.80	\$121.25	\$125.85	\$138.75	\$145.85	\$276.45
	Pricing for Code	D	INQUIRE							

\*Very mild,slow, high capacity; good for gross pre-drying. Contains Na2SO4.

\*\*See additional information for Spe-ed Amide-2.

Prices subject to change without notice.

# Spe-ed Cartridges



## Other Standard Shaped Cartridges

Sorbent packed in standard 3mL polypropylene cartridge syringe barrels with 20 $\mu$  Hydrophobic Polyethylene frits.\*

			Sorbent	Cartridge	Cartridges	
Catalog No.	Sorbent	Description	Qty	Size	Per Pack	Price
2004	C18	Octadecyl/14	100mg	3mL	50	119.60
2015	C8	Octyl	300mg	3mL	50	123.25
2084	PH	Phenyl	1000mg	3mL	50	163.90
2300	SI	Silica Gel	1000mg	3mL	50	137.20
2124	ALN	Alumina (Neutral)	1000mg	3mL	50	137.20

## Other Super Spe-ed Standard Shaped Larger Volume Cartridges

Sorbent packed in standard 20mL polypropylene cartridge syringe barrels with 20 $\mu$  Hydrophobic Polyethylene frits.\*

			Sorbent	Cartridge	Cartridges	
Catalog No.	Sorbent	Description	Qty	Size	Per Pack	Price
2272	SI	Silica Gel	5g	20mL	20	194.80

\* Other custom configurations available. Inquire.

*Prices subject to change without notice.*

# Spe-ed Cartridges

## Flangeless

Sorbent packed in 1mL, 3mL, 6mL, or 12mL flangeless polypropylene cartridge syringe barrels with 20 $\mu$  Hydrophobic Polyethylene frits.

Other frits available upon request including 70 $\mu$  and 100 $\mu$  Hydrophobic Polyethylene or Hydrophilic Polyethylene and 5 $\mu$  PTFE. Please inquire for prices.



			Catalog Number						
			1mL	3mL	3mL	6mL	6mL	12mL	
Sorbent	Description	Price Code	100mg	200mg	500mg	500mg	1000mg	1000mg	
C18	Octadecyl/14	A	13100	13101	13102	13103	13104	13105	
C18	Octadecyl/18	A	13106	13107	13108	13109	13110	13111	
C18	Octadecyl/22	A	13112	13113	13114	13115	13116	13117	
C18	Octadecyl/OH (not endcapped)	A	13118	13119	13120	13121	13122	13123	
C8	Octyl	A	13124	13125	13126	13127	13128	13129	
PH	Phenyl	A	13130	13131	13132	13133	13134	13135	
CH	Cyclohexyl	A	13136	13137	13138	13139	13140	13141	
C4	Butyl	A	13142	13143	13144	13145	13146	13147	
C2	Ethyl	A	13148	13149	13150	13151	13152	13153	
C1	Methyl	A	13154	13155	13156	13157	13158	13159	
CNe	Cyanopropyl	B	13160	13161	13162	13163	13164	13165	
CN	Cyanopropyl (not endcapped)	B	13166	13167	13168	13169	13170	13171	
SI	Silica Gel	C	13172	13173	13174	13175	13176	13177	
<b>Cartridges / pack</b>			<b>100</b>	<b>50</b>	<b>50</b>	<b>30</b>	<b>30</b>	<b>20</b>	
Pricing for Code			A	\$194.00	\$125.55	\$143.45	\$94.60	\$129.75	\$93.45
Pricing for Code			B	\$230.90	\$149.35	\$181.55	\$122.00	\$166.35	\$120.20
Pricing for Code			C	\$166.65	\$108.35	\$125.55	\$85.15	\$108.95	\$79.20

Prices subject to change without notice.



# Spe-ed Cartridges

## Flangeless

Sorbent packed in 1mL, 3mL, 6mL, or 12mL flangeless polypropylene cartridge syringe barrels with 20 $\mu$  Hydrophobic Polyethylene frits.

Other frits available upon request including 70 $\mu$  and 100 $\mu$  Hydrophobic Polyethylene or Hydrophilic Polyethylene and 5 $\mu$  PTFE. Please inquire for prices.



			Catalog Number					
			1mL	3mL	3mL	6mL	6mL	12mL
Sorbent	Description	Price Code	100mg	200mg	500mg	500mg	1000mg	1000mg
FLO	Florisil	C	13178	13179	13180	13181	13182	13183
ALN	Alumina (Neutral)	C	13184	13185	13186	13187	13188	13189
ALA	Alumina (Acidic)	C	13190	13191	13192	13193	13194	13195
ALB	Alumina (Basic)	C	13196	13197	13198	13199	13200	13201
DIO	Diol	B	13202	13203	13204	13205	13206	13207
COOH	Carboxylic Acid	B	13208	13209	13210	13211	13212	13213
SCX	Benzenesulfonic Acid	B	13214	13215	13216	13217	13218	13219
NH2	Aminopropyl	B	13220	13221	13222	13223	13224	13225
PSA	Pri/Sec Amine	B	13226	13227	13228	13229	13230	13231
DEA	Diethylamino	B	13232	13233	13234	13235	13236	13237
N+	Quaternary Amino	B	13238	13239	13240	13241	13242	13243
Na2SO4	Spe-ed DRI-1 (for water removal) *	D	13244	13245	13246	13247	13248	13249
Polyamide	Spe-ed Amide-2 **	E	13250	13251	13252	13253	13254	13255
	<b>Cartridges / pack</b>		<b>100</b>	<b>50</b>	<b>50</b>	<b>30</b>	<b>30</b>	<b>20</b>
	Pricing for Code	B	\$230.90	\$149.35	\$181.55	\$122.00	\$166.35	\$120.20
	Pricing for Code	C	\$166.65	\$108.35	\$125.55	\$85.15	\$108.95	\$79.20
	Pricing for Code	D	INQUIRE					
	Pricing for Code	E	\$211.85	\$157.75	\$165.50	\$111.85	\$139.50	\$109.50

\*Very mild,slow, high capacity; good for gross pre-drying. Contains Na2SO4.

\*\*See additional information for Spe-ed Amide-2.

Prices subject to change without notice.

# Spe-ed Cartridges

## Flangeless

Sorbent packed packed in 6mL, 12mL, 35mL or 60mL flangeless polypropylene cartridge syringe barrels with 20 $\mu$  Hydrophobic Polyethylene frits.

Other frits available upon request including 70 $\mu$  and 100 $\mu$  Hydrophobic Polyethylene or Hydrophilic Polyethylene and 5 $\mu$  PTFE. Please inquire for prices.



			Catalog Number							
			6mL	12mL	35mL	12mL	35mL	35mL	60mL	60mL
Sorbent	Description	Price Code	2g	2g	2g	3g	3g	5g	10g	20g
C18	Octadecyl/14	A	13300	13301	13302	13303	13304	13305	13306	13307
C18	Octadecyl/18	A	13308	13309	13310	13311	13312	13313	13314	13315
C18	Octadecyl/22	A	13316	13317	13318	13319	13320	13321	13322	13323
C18	Octadecyl/OH (not endcapped)	A	13324	13325	13326	13327	13328	13329	13330	13331
C8	Octyl	A	13332	13333	13334	13335	13336	13337	13338	13339
PH	Phenyl	A	13340	13341	13342	13343	13344	13345	13346	13347
CH	Cyclohexyl	A	13348	13349	13350	13351	13352	13353	13354	13355
C4	Butyl	A	13356	13357	13358	13359	13360	13361	13362	13363
C2	Ethyl	A	13364	13365	13366	13367	13368	13369	13370	13371
C1	Methyl	A	13372	13373	13374	13375	13376	13377	13378	13379
CNe	Cyanopropyl	B	13380	13381	13382	13383	13384	13385	13386	13387
CN	Cyanopropyl (not endcapped)	B	13388	13389	13390	13391	13392	13393	13394	13395
SI	Silica Gel	C	13396	13397	13398	13399	13400	13401	13402	13403
	<b>Cartridges / pack</b>		<b>30</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>12</b>	<b>12</b>
	Pricing for Code	A	\$218.95	\$145.80	\$150.60	\$187.50	\$192.20	\$238.60	\$173.70	\$338.15
	Pricing for Code	B	\$248.80	\$153.55	\$160.10	\$192.20	\$196.95	\$268.35	\$176.85	\$345.15
	Pricing for Code	C	\$159.45	\$96.40	\$101.20	\$123.75	\$128.55	\$141.50	\$147.55	\$277.95

Prices subject to change without notice.

# Spe-ed Cartridges

## Flangeless

Sorbent packed packed in 6mL, 12mL, 35mL or 60mL flangeless polypropylene cartridge syringe barrels with 20µ Hydrophobic Polyethylene frits.



Other frits available upon request including 70µ and 100µ Hydrophobic Polyethylene or Hydrophilic Polyethylene and 5µ PTFE. Please inquire for prices.

Sorbent	Description	Price Code	Catalog Number							
			6mL 2g	12mL 2g	35mL 2g	12mL 3g	35mL 3g	35mL 5g	60mL 10g	60mL 20g
FLO	Florisil	C	13404	13405	13406	13407	13408	13409	13410	13411
ALN	Alumina (Neutral)	C	13412	13413	13414	13415	13416	13417	13418	13419
ALA	Alumina (Acidic)	C	13420	13421	13422	13423	13424	13425	13426	13427
ALB	Alumina (Basic)	C	13428	13429	13430	13431	13432	13433	13434	13435
DIO	Diol	B	13436	13437	13438	13439	13440	13441	13442	13443
COOH	Carboxylic Acid	B	13444	13445	13446	13447	13448	13449	13450	13451
SCX	Benzenesulfonic Acid	B	13452	13453	13454	13455	13456	13457	13458	13459
NH2	Aminopropyl	B	13460	13461	13462	13463	13464	13465	13466	13467
PSA	Pri/Sec Amine	B	13468	13469	13470	13471	13472	13473	13474	13475
DEA	Diethylamino	B	13476	13477	13478	13479	13480	13481	13482	13483
N+	Quaternary Amino	B	13484	13485	13486	13487	13488	13489	13490	13491
PBA	Phenylboronic Acid	D	13492	13493	13494	13495	13496	13497	13498	13499
Na2SO4	Spe-ed DRI-1 (for water removal) *	D	13500	13501	13502	13503	13504	13505	13506	13507
Polyamide	Spe-ed Amide-2 **	D	13292	13293	13294	13295	13296	13297	13298	13299
	<b>Cartridges / pack</b>		<b>30</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>12</b>	<b>12</b>
	Pricing for Code	B	\$248.80	\$153.55	\$160.10	\$192.20	\$196.95	\$268.35	\$176.85	\$345.15
	Pricing for Code	C	\$159.45	\$96.40	\$101.20	\$123.75	\$128.55	\$141.50	\$147.55	\$277.95
	Pricing for Code	D	INQUIRE							

\*Very mild,slow, high capacity; good for gross pre-drying. Contains Na2SO4.

\*\*See additional information for Spe-ed Amide-2.

Prices subject to change without notice.

# Spe-ed Cartridges

## Rimless

Sorbent packed in 1mL, 3mL, 6mL, or 12mL rimless polypropylene cartridge syringe barrels with 20 $\mu$  Hydrophobic Polyethylene frits.

Other frits available upon request including 70 $\mu$  and 100 $\mu$  Hydrophobic Polyethylene or Hydrophilic Polyethylene and 5 $\mu$  PTFE. Please inquire for prices.



			Catalog Number					
			1mL	3mL	3mL	6mL	6mL	12mL
Sorbent	Description	Price Code	100mg	200mg	500mg	500mg	1000mg	1000mg
C18	Octadecyl/14	A	13509	13510	13511	13512	13513	13514
C18	Octadecyl/18	A	13515	13516	13517	13518	13519	13520
C18	Octadecyl/22	A	13521	13522	13523	13524	13525	13526
C18	Octadecyl/OH (not endcapped)	A	13527	13528	13529	13530	13531	13532
C8	Octyl	A	13533	13534	13535	13536	13537	13538
PH	Phenyl	A	13539	13540	13541	13542	13543	13544
CH	Cyclohexyl	A	13545	13546	13547	13548	13549	13550
C4	Butyl	A	13551	13552	13553	13554	13555	13556
C2	Ethyl	A	13557	13558	13559	13560	13561	13562
C1	Methyl	A	13563	13564	13565	13566	13567	13568
CNe	Cyanopropyl	B	13569	13570	13571	13572	13573	13574
CN	Cyanopropyl (not endcapped)	B	13575	13576	13577	13578	13579	13580
SI	Silica Gel	C	13581	13582	13583	13584	13585	13586
	<b>Cartridges / pack</b>		<b>100</b>	<b>50</b>	<b>50</b>	<b>30</b>	<b>30</b>	<b>20</b>
	Pricing for Code	A	\$208.30	\$132.75	\$150.60	\$98.80	\$133.95	\$96.15
	Pricing for Code	B	\$245.20	\$156.50	\$188.65	\$126.20	\$170.80	\$123.20
	Pricing for Code	C	\$180.90	\$115.45	\$132.75	\$89.25	\$113.05	\$82.15

Prices subject to change without notice.

# Spe-ed Cartridges

## Rimless

Sorbent packed in 1mL, 3mL, 6mL, or 12mL rimless polypropylene cartridge syringe barrels with 20 $\mu$  Hydrophobic Polyethylene frits.



Other frits available upon request including 70 $\mu$  and 100 $\mu$  Hydrophobic Polyethylene or Hydrophilic Polyethylene and 5 $\mu$  PTFE. Please inquire for prices.

			Catalog Number					
			1mL	3mL	3mL	6mL	6mL	12mL
Sorbent	Description	Price Code	100mg	200mg	500mg	500mg	1000mg	1000mg
FLO	Florisil	C	13587	13588	13589	13590	13591	13592
ALN	Alumina (Neutral)	C	13593	13594	13595	13596	13597	13598
ALA	Alumina (Acidic)	C	13599	13600	13601	13602	13603	13604
ALB	Alumina (Basic)	C	13605	13606	13607	13608	13609	13610
DIO	Diol	B	13611	13612	13613	13614	13615	13616
COOH	Carboxylic Acid	B	13617	13618	13619	13620	13621	13622
SCX	Benzenesulfonic Acid	B	13623	13624	13625	13626	13627	13628
NH2	Aminopropyl	B	13629	13630	13631	13632	13633	13634
PSA	Pri/Sec Amine	B	13635	13636	13637	13638	13639	13640
DEA	Diethylamino	B	13641	13642	13643	13644	13645	13646
N+	Quaternary Amino	B	13647	13648	13649	13650	13651	13652
Na2SO4	Spe-ed DRI-1 (for water removal) *	D	13653	13654	13655	13656	13657	13658
Polyamide	Spe-ed Amide-2 **	E	13659	13660	13661	13662	13663	13664
	<b>Cartridges / pack</b>		<b>100</b>	<b>50</b>	<b>50</b>	<b>30</b>	<b>30</b>	<b>20</b>
	Pricing for Code	B	\$245.20	\$156.50	\$188.65	\$126.20	\$170.80	\$123.20
	Pricing for Code	C	\$180.90	\$115.45	\$132.75	\$89.25	\$113.05	\$82.15
	Pricing for Code	D	INQUIRE					
	Pricing for Code	E	\$226.10	\$164.85	\$172.60	\$116.05	\$144.00	\$111.85

\*Very mild,slow, high capacity; good for gross pre-drying. Contains Na2SO4.

\*\*See additional information for Spe-ed Amide-2.

Prices subject to change without notice.

# Spe-ed Cartridges

## Rimless

Sorbent packed in 6mL, 12mL, 35mL or 60mL rimless polypropylene cartridge syringe barrels with 20 $\mu$  Hydrophobic Polyethylene frits.



Other frits available upon request including 70 $\mu$  and 100 $\mu$  Hydrophobic Polyethylene or Hydrophilic Polyethylene and 5 $\mu$  PTFE. Please inquire for prices.

Sorbent	Description	Price Code	Catalog Number							
			6mL 2g	12mL 2g	35mL 2g	12mL 3g	35mL 3g	35mL 5g	60mL 10g	60mL 20g
C18	Octadecyl/14	A	13665	13666	13667	13668	13669	13670	13671	13672
C18	Octadecyl/18	A	13673	13674	13675	13676	13677	13678	13679	13680
C18	Octadecyl/22	A	13681	13682	13683	13684	13685	13686	13687	13688
C18	Octadecyl/OH (not endcapped)	A	13689	13690	13691	13692	13693	13694	13695	13696
C8	Octyl	A	13697	13698	13699	13700	13701	13702	13703	13704
PH	Phenyl	A	13705	13706	13707	13708	13709	13710	13711	13712
CH	Cyclohexyl	A	13713	13714	13715	13716	13717	13718	13719	13720
C4	Butyl	A	13721	13722	13723	13724	13725	13726	13727	13728
C2	Ethyl	A	13729	13730	13731	13732	13733	13734	13735	13736
C1	Methyl	A	13737	13738	13739	13740	13741	13742	13743	13744
CNe	Cyanopropyl	B	13745	13746	13747	13748	13749	13750	13751	13752
CN	Cyanopropyl (not endcapped)	B	13753	13754	13755	13756	13757	13758	13759	13760
SI	Silica Gel	C	13761	13762	13763	13764	13765	13766	13767	13768
	<b>Cartridges / pack</b>		<b>30</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>12</b>	<b>12</b>
	Pricing for Code	A	\$223.15	\$148.80	\$153.55	\$190.45	\$195.15	\$241.60	\$175.80	\$340.20
	Pricing for Code	B	\$252.95	\$156.50	\$163.05	\$195.15	\$199.95	\$271.40	\$178.60	\$346.95
	Pricing for Code	C	\$164.00	\$99.40	\$104.95	\$126.20	\$130.95	\$144.00	\$149.60	\$280.10

*Prices subject to change without notice.*



# Spe-ed Cartridges

## Rimless

Sorbent packed in 6mL, 12mL, 35mL, or 60mL rimless polypropylene cartridge syringe barrels with 20 $\mu$  Hydrophobic Polyethylene frits.



Other frits available upon request including 70 $\mu$  and 100 $\mu$  Hydrophobic Polyethylene or Hydrophilic Polyethylene and 5 $\mu$  PTFE. Please inquire for prices.

			Catalog Number							
			6mL	12mL	35mL	12mL	35mL	35mL	60mL	60mL
Sorbent	Description	Price Code	2g	2g	2g	3g	3g	5g	10g	20g
FLO	Florisil	C	13769	13770	13771	13772	13773	13774	13775	13776
ALN	Alumina (Neutral)	C	13777	13778	13779	13780	13781	13782	13783	13784
ALA	Alumina (Acidic)	C	13785	13786	13787	13788	13789	13790	13791	13792
ALB	Alumina (Basic)	C	13793	13794	13795	13796	13797	13798	13799	13800
DIO	Diol	B	13801	13802	13803	13804	13805	13806	13807	13808
COOH	Carboxylic Acid	B	13809	13810	13811	13812	13813	13814	13815	13816
SCX	Benzenesulfonic Acid	B	13817	13818	13819	13820	13821	13822	13823	13824
NH2	Aminopropyl	B	13825	13826	13827	13828	13829	13830	13831	13832
PSA	Pri/Sec Amine	B	13833	13834	13835	13836	13837	13838	13839	13840
DEA	Diethylamino	B	13841	13842	13843	13844	13845	13846	13847	13848
N+	Quaternary Amino	B	13849	13850	13851	13852	13853	13854	13855	13856
PBA	Phenylboronic Acid	D	13857	13858	13859	13860	13861	13862	13863	13864
Na2SO4	Spe-ed DRI-1 (for water removal) *	D	13865	13866	13867	13868	13869	13870	13871	13872
Polyamide	Spe-ed Amide-2 **	D	13873	13874	13875	13876	13877	13878	13879	13880
	<b>Cartridges / pack</b>		<b>30</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>12</b>	<b>12</b>
	Pricing for Code	B	\$252.95	\$156.50	\$163.05	\$195.15	\$199.95	\$271.40	\$178.60	\$346.95
	Pricing for Code	C	\$164.00	\$99.40	\$104.95	\$126.20	\$130.95	\$144.00	\$149.60	\$280.10
	Pricing for Code	D			INQUIRE					

\*Very mild,slow, high capacity; good for gross pre-drying. Contains Na2SO4.

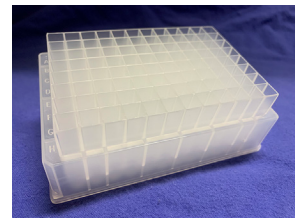
\*\*See additional information for Spe-ed Amide-2.

Prices subject to change without notice.

# Spe-ed 96-Well Plates

## Standard

96-well polypropylene microtiter plates. Square or round. With or without frits.



Run 96 samples at a time. Make your solid phase extraction (SPE) sample preparation easier, faster, and more economical with *Spe-ed* Microtiter plates from Applied Separations.

Economical - Prepare 96 samples at one time. Reduce use of hazardous solvents, operator time, glassware and equipment.

Reproducible - Achieve high recoveries with 2-3% coefficients of variation.

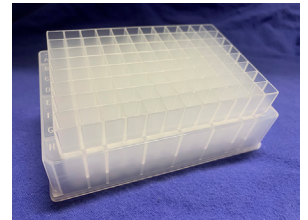
Versatile - Perform extractions with a wide variety of sorbents.

Catalog No.	Description	Qty per Pack	Price
24032	96-Well 20 $\mu$ frits	100	\$48.00
Catalog No.	Description	Qty per Pack	Price
24040	2mL empty extraction plate	1	\$79.50
24041	2mL extraction plate w/20 $\mu$ frits	1	\$111.70
24042	2mL round 20 $\mu$ frits	100	\$48.00
24043	2mL square 20 $\mu$ frits	100	\$48.00
24044	2mL collection plates	20	\$143.60
24045	2mL collection plate	1	\$11.30

*Prices subject to change without notice.*

# Spe-ed 96-Well Plates

Standard with Sorbents



		Catalog Number					
		1mL		2mL			
Sorbent	Description	25mg	50mg	25mg	50mg	100mg	200mg
C18	Octadecyl/14	24050	24051	24052	24053	24054	24055
C18	Octadecyl/18	24060	24061	24062	24063	24064	24065
C18	Octadecyl/22	24070	24071	24072	24073	24074	24075
C18	Octadecyl/OH (not endcapped)	24080	24081	24082	24083	24084	24085
C8	Octyl	24100	24101	24102	24103	24104	24105
PH	Phenyl	24110	24111	24112	24113	24114	24115
CH	Cyclohexyl	24120	24121	24122	24123	24124	24125
C4	Butyl	24130	24131	24132	24133	24134	24135
C2	Ethyl	24140	24141	24142	24143	24144	24145
C1	Methyl	24150	24151	24152	24153	24154	24155
CNe	Cyanopropyl	24160	24161	24162	24163	24164	24165
CN	Cyanopropyl (not endcapped)	24170	24171	24172	24173	24174	24175
SI	Silica Gel	24180	24181	24182	24183	24184	24185
	Price	\$294.80	\$326.65	\$310.70	\$342.60	\$358.55	\$374.40

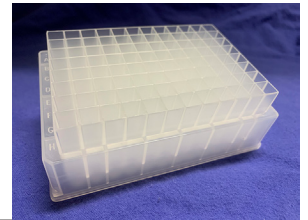
Please inquire for information on additional packing materials or custom packing amounts.

Prices subject to change without notice.

*Prices subject to change without notice.*

# Spe-ed 96-Well Plates

Standard with Sorbents



		Catalog Number					
		1mL		2mL			
Sorbent	Description	25mg	50mg	25mg	50mg	100mg	200mg
FLO	Florisol	24190	24191	24192	24193	24194	24195
ALN	Alumina (Neutral)	24200	24201	24202	24203	24204	24205
ALA	Alumina (Acidic)	24210	24211	24212	24213	24214	24215
ALB	Alumina (Basic)	24220	24221	24222	24223	24224	24225
DIO	Diol	24230	24231	24232	24233	24234	24235
COOH	Carboxylic Acid	24240	24241	24242	24243	24244	24245
SCX	Benzenesulfonic Acid	24250	24251	24252	24253	24254	24255
NH2	Aminopropyl	24260	24261	24262	24263	24264	24265
PSA	Pri/Sec Amine	24270	24271	24272	24273	24274	24275
DEA	Diethylamino	24280	24281	24282	24283	24284	24285
N+	Quaternary Amino	24290	24291	24292	24293	24294	24295
	Price	\$294.80	\$326.65	\$310.70	\$342.60	\$358.55	\$374.40

Please inquire for information on additional packing materials or custom packing amounts.

Prices subject to change without notice.

*Prices subject to change without notice.*

## Spe-ed eL/Lute

Liquid/Liquid Extraction on a Solid Phase Support

Applied Separations' Spe-ed eL/Lute disposable liquid/liquid extraction cartridges simplify and speed up multiple liquid/liquid extractions.

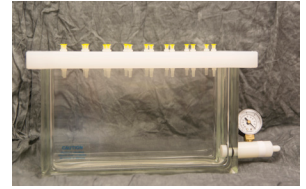
- contain a special grade of high purity, inert diatomaceous earth
- are packed in standard solid phase extraction tubes
- incorporate a phase-separation filtering material to prevent contamination of organic eluents by aqueous matrix
- require gravity only

Catalog No.	Sample Capacity	Size	Sorbent Qty	Qty per Pack	Price
2180	0.3 mL	3mL	300mg	100	\$149.75
2181	1.0 mL	6mL	1g	100	\$200.80
2182	3.0 mL	12mL	1g	100	\$240.30
2183	3.0 mL	20mL	3g	100	\$334.80
2185	5.0 mL	35mL	5g	100	\$450.30
2186	10.0 mL	60mL	10g	100	\$711.80
2187	5.0 mL	60mL	15g	100	\$740.85

*Prices subject to change without notice.*

## Spe-ed Mate Vacuum Manifolds

These vacuum SPE processors have chemically inert 1/4" thick glass walled chambers with adjustable racks to accommodate a variety of collection vessels including test tubes, autosampler vials, scintillation vials and volumetric flasks. The units include: a chemical resistant lid, gasket, luer-fitted connections and polypropylene needles, plugs, vacuum gauge controller, and bleed valve assembly. This unit is available in three sizes.



Catalog No.	Description	Price
1050	Glass <i>Spe-ed</i> Mate - 12 position	\$1,054.50
1060	Glass <i>Spe-ed</i> Mate - 16 position	\$1,332.85
1070	Glass <i>Spe-ed</i> Mate - 24 position	\$1,495.50

*Prices subject to change without notice.*



# Bulk Sorbent



Sorbent	Description	100 Grams	500 Grams	1 Kilogram
C18/14	Octadecyl/14	4100	4132	4162
C18/18	Octadecyl/18	4101	4133	4163
C18/22	Octadecyl/22	4102	4134	4164
PH	Phenyl	4105	4137	4167
CH	Cyclohexyl	4106	4138	4199
CN	Cyanopropyl (not endcapped)	4110	4142	4177
CNe	Cyanopropyl	4110E	4142E	4177E
SI	Silica Gel	4111	4143	4173
FLO	Florisil	4112	4144	4174
ALN	Alumina (Neutral)	4113	4145	4189
ALA	Alumina (Acidic)	4114	4146	4190
ALB	Alumina (Basic)	4115	4147	4191
DIO	Diol	4126	4148	4200
Amide	<i>Spe-ed</i> Amide-2	4129	4149	4176
COOH	Carboxylic Acid	4119	4151	4178
SCX	Benzenesulfonic Acid	4120	4152	4179
NH2	Aminopropyl	4121	4153	4180
PSA	Pri/Sec Amine	4123	4154	4181
DEA	Diethylamino	4124	4155	4182
N+	Quaternary Amino	4125	4156	4183

Inquire for pricing.

*Prices subject to change without notice.*