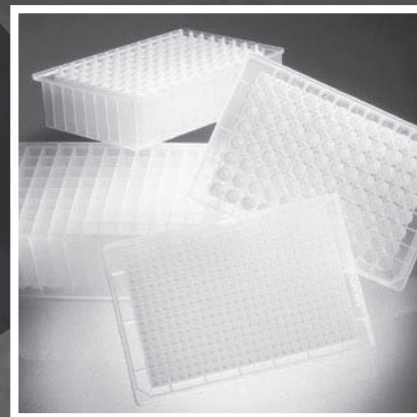
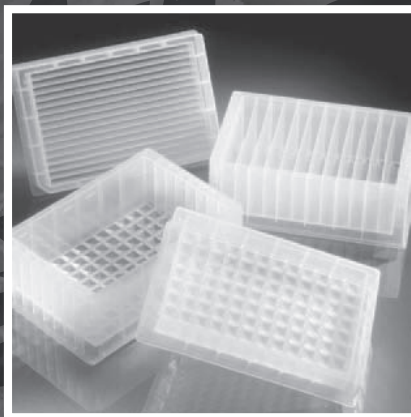
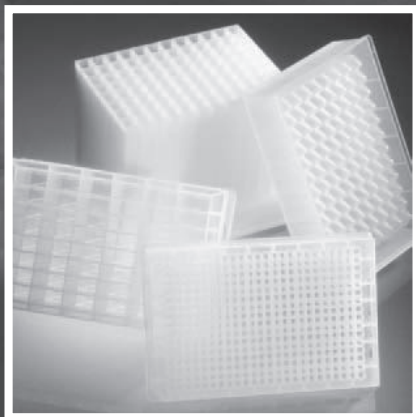


Unique Plates for Automation, Storage, Separation and Liquid Handling.



- Reagent Reservoirs
 - Storage Plates
- Filter Bottom Microplates

Distributed By:



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109 Janet Street, Vineland, New Jersey 08360

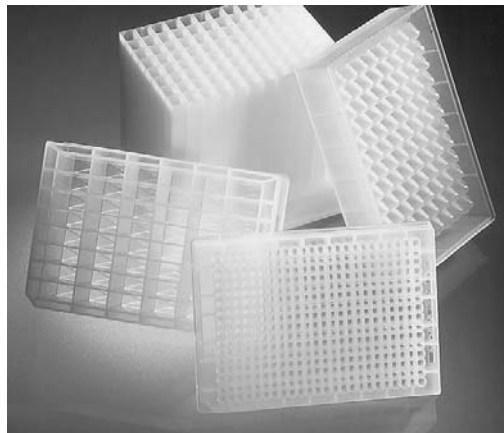
Phone: 800-220-5732 / 856-825-0523

Fax 856-327-5168

Email: info@LsdCorp.com Web: www.LsdCorp.com

Storage Plates

- ✓ Molded in Natural Polypropylene
- ✓ Chemically Resistant
- ✓ Biologically Inert
- ✓ Heat Resistant
- ✓ Industry Standard Dimensions
- ✓ Low Binding
- ✓ Pyramid, 'V' and Spherical Bottoms
- ✓ Improved Mixing
- ✓ Low Dead Volume
- ✓ Raised Wells for Sealing
- ✓ Radius Corners
- ✓ Plate Seals For Every Format
- ✓ Robotic Friendly
- ✓ Bar-Coding Available
- ✓ Available From 58 μ L to 10mL well volumes
- ✓ Irradiation Upon Request, Minimum Order
- ✓ Custom Configurations



Catalog Number	DESCRIPTION	QTY/CS
S30003	48 well, 7.5 mL, rectangle well, pyramid bottom, natural polypropylene	30
S30004	48 well, 5 mL, rectangle well, pyramid bottom, natural polypropylene	25
S30009	96 well, 2 mL, square well, pyramid bottom, natural polypropylene	25
S30012	96 well, 0.7 mL, square well, flat bottom, natural polypropylene	50
S30024	24 well, 10 mL, square well, pyramid bottom, natural polypropylene	25
S30025	384 well, 0.16 mL, square well, pyramid bottom, natural polypropylene	25
S30026	96 well, 1.1 mL, square well, 'V' bottom, natural polypropylene	25
S30033	384 well, 0.058 mL, square well, spherical bottom, natural polypropylene	60
S30050	48 well, 4.8 mL, rectangle well, pyramid bottom, natural polypropylene <NEW>	25

Reservoirs

- ✓ Molded in Natural Polypropylene
- ✓ Chemically Resistant
- ✓ Heat Resistant
- ✓ Industry Standard Dimensions
- ✓ Pyramid Bottom
- ✓ Disposable
- ✓ Low Dead Volume
- ✓ Robotic Friendly
- ✓ Autoclave Compatible
- ✓ Bar-Coding Available
- ✓ Multiple formats
- ✓ Irradiation Upon Request, Minimum Order
- ✓ Hydrophilic Surface Upon Request
- ✓ Custom Configurations



Catalog Number	DESCRIPTION	QTY/CS
S30014	96 well, pyramid bottom, natural polypropylene	25
S30016	12 column, pyramid bottom, natural polypropylene	25
S30017	8 row, pyramid bottom, natural polypropylene	25
S30018	96 well, low profile, pyramid bottom, natural polypropylene	25
S30019	12 partitioned, pyramid bottom, natural polypropylene	25
S30020	8 row, partitioned, pyramid bottom, natural polypropylene	25
S30021	384 well, pyramid bottom, natural polypropylene	25
S30022	384 well, low profile, pyramid bottom, natural polypropylene	25
S30023	Low profile, flat bottom, natural polypropylene	25
S30027	384 well, low profile, with controls, natural polypropylene	25
S30028	12 column, low profile, pyramid bottom, natural polypropylene	25
S30029	8 row, low profile, pyramid bottom, natural polypropylene	25
S30030	6 partitioned, pyramid bottom, natural polypropylene	25
S30032	384 well, with controls, pyramid bottom, natural polypropylene	25
S30034	16 row, low profile, pyramid bottom, natural polypropylene	25
S30035	24 column, low profile, pyramid bottom, natural polypropylene	25
S30039	12/24 column, low profile, pyramid bottom, natural polypropylene	25
S30041	384 well, half height, with 4 controls, pyramid bott., natural polypropylene	25
S30042	384 well, half height, pyramid bottom, natural polypropylene	25
S30044	384 well, half height, with controls & wave breakers natural polypropylene <NEW>	25
S30047	384 well, low profile, with controls & wave breakers natural polypropylene	25
S30051	4 column, pyramid bottom, natural polypropylene <NEW>	25
S30053	4 row, pyramid bottom, natural polypropylene <NEW>	25
200686	12 column, half height pyramid bottom, natural polypropylene <NEW>	25
A50016	Universal Reservoir Baffle	10

Column Format Reservoirs

Part #	Format	Columns	Style	Partitions	Bottom Style	Column Volume	Plate Volume	Column Dead Volume	
S30016	12/96 well	12	Deep Well	No	Pyramid	n/a	290mL	0.5mL	
S30019	12/96 well	12	Deep Well	Yes	Pyramid	21mL	252mL	0.5mL	
S30028	12/96 well	12	Low Profile	Yes	Pyramid	7mL	84mL	0.5mL	
200686	12/96 well	12	Half Ht. Deep Well	No	Pyramid	n/a	170mL	0.5mL	NEW
S30030	24 well	6	Low Profile	Yes	Pyramid	47mL	282mL	1.08mL	
S30035	24/384 well	24	Low Profile	Yes	Pyramid	3.3mL	78mL	0.12mL	
S30039	24/96 well	24	Low Profile	Yes	Pyramid	3.5mL	78mL	0.25mL	
S30051	4/24 well	4	Deep Well	Yes	Pyramid	73mL	292mL	0.5mL	NEW

Row Format Reservoirs

Part #	Format	Rows	Style	Partitions	Bottom Style	Row Volume	Plate Volume	Row Dead Volume	
S30017	96 well	8	Deep Well	No	Pyramid	n/a	290mL	0.82mL	
S30020	96 well	8	Deep Well	Yes	Pyramid	32mL	256mL	0.82mL	
S30029	96 well	8	Low Profile	Yes	Pyramid	10.6mL	85mL	0.82mL	
S30034	16/384 well	16	Low Profile	Yes	Pyramid	4.9mL	78mL	0.18mL	
S30053	4/24 well	4	Deep Well	Yes	Pyramid	73mL	292mL	0.5mL	NEW

Individual Well Format Reservoirs

Part #	Format	Columns	Style	Partitions	Bottom Style	Column Volume	Plate Volume	Well Dead Volume	
S30014	96 Well	n/a	Deep Well	No	Pyramid	n/a	300mL	0.064mL	
S30018	96 Well	n/a	Low Profile	No	Pyramid	n/a	86mL	0.064mL	
S30021	384 well	n/a	Deep Well	No	Pyramid	n/a	282mL	0.007mL	
S30022	384 well	n/a	Low Profile	No	Pyramid	n/a	92mL	0.007mL	
S30027	384 well	24	Low Profile	4 Controls	Pyramid	3.25mL	79.3mL	0.12mL	
S30032	384 well	1	Deep Well	2 controls	Pyramid	n/a	282mL	0.007mL	
S30041	384 well	2	Half Ht.	2 controls	Pyramid	2.60mL	155mL	0.007mL	
S30042	384 well	1	Half Ht.	No	Pyramid	n/a	170mL	0.007mL	
S30047	384 well	1	Low Profile	5 controls	Pyramid	n/a	92mL	0.007mL	NEW

Other Reservoir Products

Part #	
S30023	Open Reservoir, Low Profile, Flat Bottom
A50014	Splash Prevention Baffle, universal

Plate Seals

- ✓ Molded in Natural Santoprene
- ✓ Chemically Resistant
- ✓ Heat Resistant
- ✓ Pierceable
- ✓ Autoclaveable
- ✓ Sealing integrity up to -20C
- ✓ Custom Configurations

Catalog Number	DESCRIPTION	QTY/CS
P40002	48 well, pierceable plate seal, 7.5 mL and 5mL storage plates	100
P40003	48 well, solid plate seal, 7.5 mL and 5mL storage plate	100
P40006	96 well, pierceable plate seal, 2 mL storage plate	100
P40007	96 well, solid plate seal for 2 mL storage plate	100
P40008	96 well, top & bottom plate seal for 2 mL fritted filter plate	100
P40009	24 well, pierceable plate seal for 10 mL storage plate	100

Universal Lids

- ✓ Molded in Polystyrene or Polypropylene
- ✓ Robotic Friendly
- ✓ Fits all Standard Microplates
- ✓ Custom Configurations

Catalog Number	DESCRIPTION	QTY/CS
A50009	Universal lid, robotic friendly, polystyrene, <u>Clear</u>	100
A50010	Universal lid, robotic friendly, polystyrene, <u>Black</u>	100
A50011	Universal lid, robotic friendly, polystyrene, <u>White</u>	100
A50014	Universal lid, polypropylene, <u>Natural</u>	100

Filter Bottom

- ✓ Molded in Natural Polypropylene
- ✓ Chemical Resistant
- ✓ Biologically Inert
- ✓ Industry Standard Dimensions
- ✓ Low Binding
- ✓ Versatile Design
- ✓ No Cross Talk-Guaranteed
- ✓ Proprietary Patented Design
- ✓ Long & Short Drip Directors
- ✓ Variety of Filtration Media
- ✓ Robotic Friendly
- ✓ Bar-Coding Available
- ✓ Fits Standard Vacuum Manifolds
- ✓ 96 wells, full skirt, available in 300 μ L, 400 μ L, 800 μ L and 2mL well volumes
- ✓ 96 wells, half skirt, available 1mL well volumes, drip director with and without spill collar
- ✓ 48 wells, full skirt, available in 5mL and 7.5mL well volume
- ✓ 384 wells, full skirt available in 140 μ L well volume
- ✓ Custom Configurations



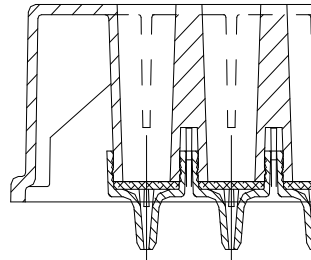
Introducing the most versatile filter bottom microplates
Choose the filter(s). Choose the format. Receive a
Custom Crafted filter plate.

Request a variety of drip director designs and multiple layers of filter media per well.

Drip Director Types:

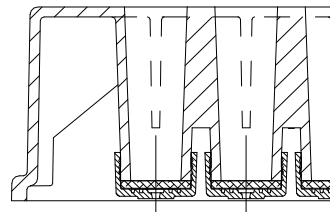
Long Drip Directors

- Collect Filtrate
- Directs into Corresponding Wells
- Below Skirt
- Vacuum Filtration
- Non-Splashing
- Prevents Use in Readers



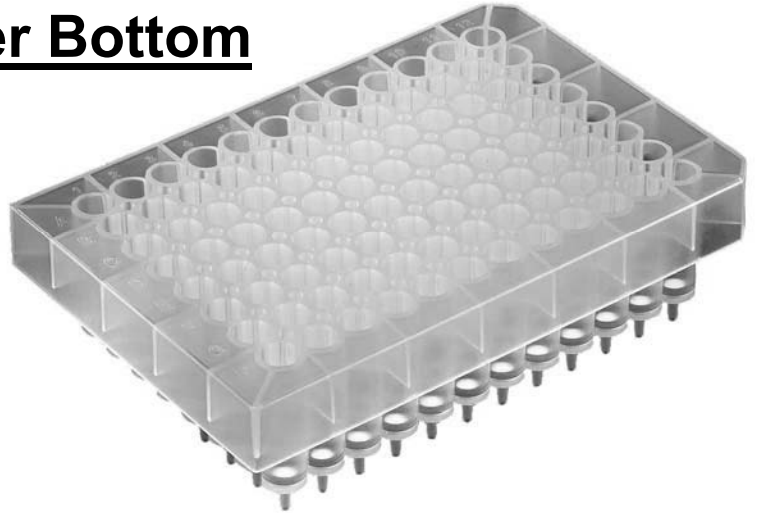
Short Drip Directors

- Collect Filtrate
- Filter to Waste
- Capture Sample on Filter
- Plate Readers
- Automation
- Under Skirt



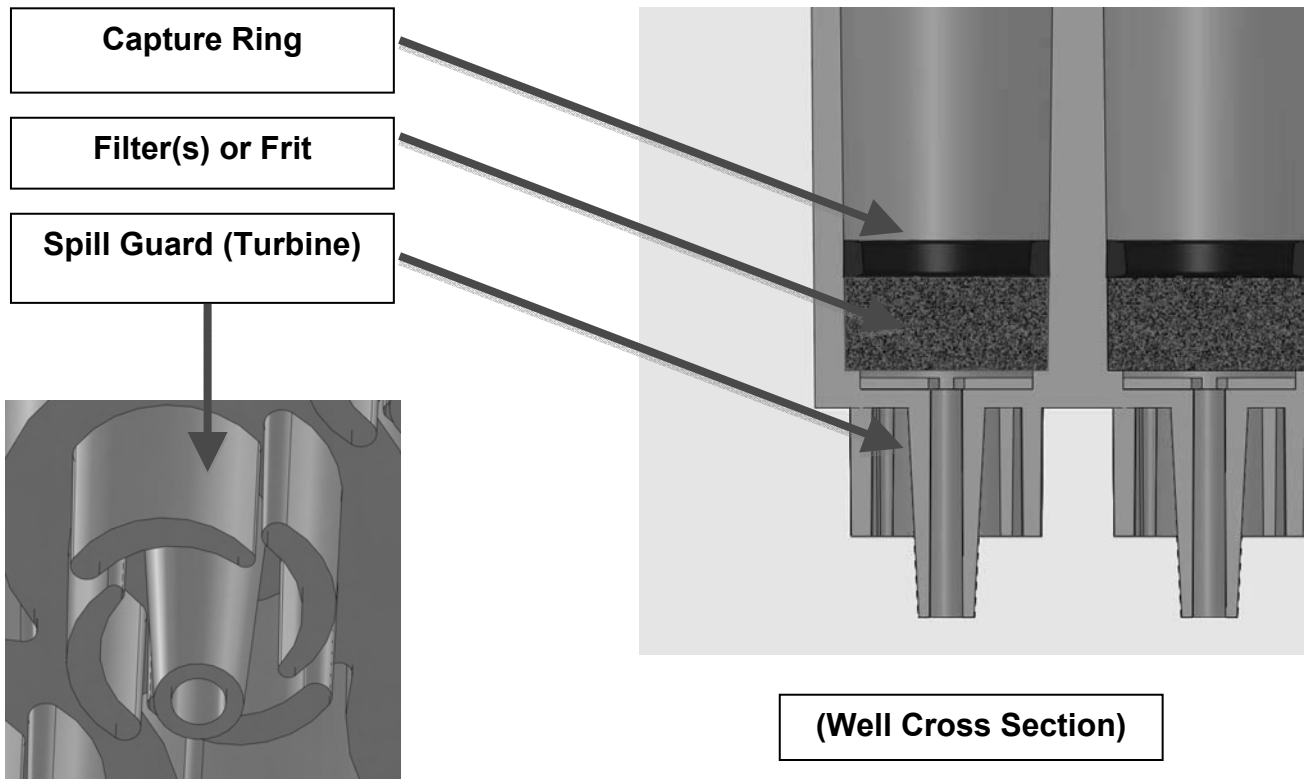
NEW-Half Skirted Filter Bottom

- ✓ Molded in Natural Polypropylene
- ✓ Chemical Resistant
- ✓ Biologically Inert
- ✓ Industry Standard Dimensions
- ✓ Low Binding
- ✓ No Cross Talk-Guaranteed
- ✓ Long Drip Directors
- ✓ Variety of Filtration Media
- ✓ Robotic Friendly
- ✓ Bar-Coding Available
- ✓ Fits Standard Vacuum Manifolds
- ✓ 1mL well volume
- ✓ Spill Guard-Turbine



Select the Filter(s) of Choice
Select Capture Ring Color or Frit
Receive a Custom Crafted filter plate.

Request a variety of filter media with multiple layers with a colored capture ring or frit.



96 Well, 300 μ L Filter Bottom

Cat. #	DESCRIPTION	QTY/CS
F20036	UHMW PE 25 μ m, Long drip	50
F20037	GF 1.2 μ m, Long drip	50
F20038	Hydrophilic PVDF 0.45 μ m, Long drip	50
F20039	PP 0.45 μ m, Long drip	50
F20041	GF 1.0 μ m, Long drip	50
F20042	GF 0.7 μ m, Long drip	50
F20044	UHMW PE 25 μ m, Short drip	50
F20045	GF 1.2 μ m, Short drip	50
F20046	Hydrophilic PVDF 0.45 μ m, Short drip	50
F20047	PP 0.45 μ m, Short drip	50
F20049	GF 1.0 μ m, Short drip	50
F20050	GF 0.7 μ m, Short drip	50
F20069	GF 3.0 μ m, Long drip	50
F20074	Hydrophobic PVDF 1.0 μ m w/PP, Short drip	50
F20084	Hydrophobic PVDF 1.2 μ m, Short drip <NEW>	50
F20090	GF 1.0 μ m, Medium drip <NEW>	50

96 Well, 400 μ L Filter Bottom

Cat. #	DESCRIPTION	QTY/CS
F20009	UHMW PE 25 μ m, Long drip	25
F20010	GF 1.2 μ m, Long drip	25
F20011	Hydrophilic PVDF 0.45 μ m, Long drip	25
F20012	PP 0.45 μ m, Long drip	25
F20014	GF 1.0 μ m, Long drip	25
F20015	GF 0.7 μ m, Long drip	25
F20028	UHMW PE 25 μ m, Short drip	25
F20029	GF 1.2 μ m, Short drip	25
F20030	Hydrophilic PVDF 0.45 μ m, Short drip	25
F20031	PP 0.45 μ m, Short drip	25
F20033	GF 1.0 μ m, Short drip	25
F20034	GF 0.7 μ m, Short drip	25
F20064	PES 10K, Short drip	25
F20065	PES 30K, Short drip	25

48 Well Filter Bottom

Cat. #	DESCRIPTION	QTY/CS
F20001	5mL, PE Frit 25 μ m, Long drip	25
F20055	7.5mL, PE Frit 25 μ m, Long drip	25
F20001-XL	5mL, PE Frit 25 μ m, Extended Long drip <NEW>	25

Membrane Key

CA	Cellulose Acetate
GF	Glass Fiber
NC	Nitrocellulose
PC	Polycarbonate
PE	Polyethylene
PES	Polyethersulfone
PP	Polypropylene
PVDF	Polyvinylidene fluoride

96 Well, 800 μ L Filter Bottom

Cat. #	DESCRIPTION	QTY/CS
F20002	UHMW PE 25 μ m, Long drip	25
F20003	GF 1.2 μ m, Long drip	25
F20004	Hydrophilic PVDF 0.45 μ m, Long drip	25
F20005	PP 0.45 μ m, Long drip	25
F20007	GF 1.0 μ m, Long drip	25
F20008	GF 0.7 μ m, Long drip	25
F20018	PE Frit 25 μ m, Long drip	25
F20020	UHMW PE 25 μ m, Short drip	25
F20021	GF 1.2 μ m, Short drip	25
F20022	Hydrophilic PVDF 0.45 μ m, Short drip	25
F20023	PP 0.45 μ m, Short drip	25
F20025	GF 1.0 μ m, Short drip	25
F20026	GF 0.7 μ m, Short drip	25
F20058	Hydrophilic CA 0.2 μ m, Long drip	25
F20068	PE Frit + GF 0.7 μ m, Long drip	25
F20080	Hydrophilic PVDF 0.2 μ m, Long drip	25
F20081	GF 3.0 μ m, Long drip	25
F20082	GF 13.0 μ m, Long drip	25
F20093	PE Frit 25 μ m + GF 0.7 μ m, Long drip <NEW>	25

96 Well, 1mL Half Skirt Filter Bottom

Cat. #	DESCRIPTION	QTY/CS
200608-100	PE Frit 25 μ m, Long drip <NEW>	35
200609-100	4 layers GF 0.7 μ m, Long drip <NEW>	35
200610-100	2 layers of GF 0.7 μ m+ PE Frit 25mm , Long drip <NEW>	35

96 Well, 2mL Filter Bottom

Cat. #	DESCRIPTION	QTY/CS
F20000	PE Frit 25 μ m, Long drip	25
F20059	UHMW PE 25 μ m, Long drip	25
F20060	GF 0.7 μ m, Long drip	25
F20061	PP 0.45 μ m, Long drip	25
F20062	Hydrophilic PES 0.45 μ m, Long drip	25
F20066	GF 3.0 μ m + 10 μ m PP, Long drip <NEW>	25
F20094	GF 5.0 μ m, Long drip <NEW>	25
F20000-XL	PE Frit 25 μ m, Extended Long drip <NEW>	25

384 Well, 140 μ L Filter Bottom

Cat. #	DESCRIPTION	QTY/CS
F20077	GF 1.2 μ m, long drip	10
F20078	GF 0.7 μ m, long drip	10
F20086	NO Filter, long drip <NEW>	10
F20087	GF 5.0 μ m, long drip <NEW>	10
F20088	UHMW PE 25.0 μ m, long drip <NEW>	10

(Short drip director available upon request)

Request a variety of drip director designs and mutiple layers of filter media per well

Filter Bottom Applications

	Application	Filter	Drip Director	Volume/ Well (μL)	Cat #	
High Biomolecule Binding	Cell homogenates, crude	Glass Fiber 1.0μM	Short	300	F20049	
	DNA Binding			400	F20033	
	DNA Isolation			800	F20025	
	DNA/RNA Purification					
	PCR clean up					
	Plasmid Minipreps			Long	300	F20041
	Recovering DNA from gel slices				400	F20014
	Reverse transcriptase				800	F20007
Sample Clean Up						

	Application	Filter	Drip Director	Volume/ Well (μL)	Cat #	
High Biomolecule Binding		Glass Fiber 1.2μM	Short	300	F20045	
	M13 phage preps			400	F20029	
	Thymidine Uptake			800	F20021	
	Cell homogenates, crude					
	Cell fragments/membranes			Long	140	F20077
	Cytotoxic/ Cell Proliferation				300	F20037
	Signal transduction				400	F20010
Mammalian Cells Capture			800	F20003		

	Application	Filter	Drip Director	Volume/ Well (μL)	Cat #
High Biomolecule Binding		Glass Fiber 0.7μM	Long	140	F20078
	DNA Binding			400	F20015
	Lysate Clarification			800	F20008
				1000	200609-100
				2000	F20060

	Application	Filter	Drip Director	Volume/ Well (μL)	Cat #	
Low Biomolecule Binding Solvent Resistance	YAC (Yeast Cloning Assays)	Polypropylene 0.45μM	Short			
	Bacterial DNA prep for PCR			300	F20047	
	Alumina			400	F20031	
	Cell fragments/membranes				800	F20023
	Whole Cells					
	Protease assays					
	Phosphodiesterase					
	Antibody neutralization					
	Mammalian Cells Capture					
	Calcium uptake			Long	300	F20039
	Dual assay: Ca + receptor				400	F20012
	Microsomes				800	F20005
	Solid Phase					
	Radioimmunoassays				2000	F20061

Filter Bottom Applications

	Application	Filter	Drip Director	Volume/ Well (μ L)	Cat #
Low Biomolecule Binding	YAC (Yeast Cloning Assays)	Hydrophilic PVDF 0.45μm	Short	300	F20038
	DNA elution from agarose gel				
	Dye Terminator Clean Up				
	Sequencing Reaction Clean Up			400	F20030
	DNA/RNA Purification				
	Ni-Nta				
	Affinity Bead		Long	300	F20046
	Avidin/biotin bead				
	Chromatography beads/resins				
	Purified cloned receptors			400	F20011
	Cell Based Receptor Binding				
	Signal transduction				
	Phosphodiesterase			800	F20004
	Protein or nucleic acid desalt				
	Cell membrane				
	Neonatal Screening				
Vesicle Assays					

	Application	Filter	Drip Director	Volume/ Well (μ L)	Cat #
Low Biomolecule Binding	Dye Terminator Removal Dye Terminator Clean Up Sequencing Reaction Clean Up	UHMW PE 25μM	Short	300	F20044
				400	F20028
				800	F20020
			Long	300	F20036
				400	F20009
				800	F20002
				2000	F20059

	Application	Filter	Drip Director	Volume/ Well (μ L)	Cat #
Low Biomolecule Binding	Solid Phase Extraction (SPE)	PE Frit 25μM	Long	1000	200608-100
				2000	F20000
				5000	F20001
				7500	F20057

Seahorse Bioscience filter bottom plates are available with the largest range of filter types. The application chart is designed to facilitate the process of plate selection. There are a variety of applications with proven results from many end users. Seahorse Bioscience does not provide proven protocols for the applications listed. We encourage you to inquire about other filter types to customize the application of choice.

