

Standard Grade RC Membrane: Spectra/Por[®] 1 - 7

Because Standard Regenerated Cellulose (RC) is composed of natural cellulose polymer from cotton linters, these membranes are perfectly suited for a broad range of laboratory dialysis. This clear and flexible membrane type with symmetric porosity is economical and sturdy; ideal for desalting, buffer exchanges, macromolecular purifications and other general applications. Possessing a broad chemical compatibility range, Standard RC membranes can be used with dilute strong acids and bases, concentrated weak acids and bases, most alcohols and some mild or dilute organic solvents, including DMSO. Exposure to some strong organic solvents may damage RC membranes. Standard RC can be used with pH 2–12 & temperatures 4–121°C. While the low level heavy metal impurities in Standard RC typically pose no problem, they can easily be eliminated using Spectrum's Heavy Metal Cleaning Solution. Standard RC Membrane is available in rolls of dialysis



tubing (dry or pre-treated), dialysis trial kits, ready-to-use dialysis sacks & flat sheet (discs or square sheets).

There are 7 different categories of Standard RC Membrane, Spectra/Por 1 – 7, each possessing unique desirable properties to meet different application needs:

Spectra/Por[®] 1 Dialysis Membrane

MWCO: 6,000 – 8,000 Daltons

Properties: Standard RC with glycerol for general dialysis

Spectra/Por[®] 2 Dialysis Membrane

MWCO: 12,000 – 14,000 Daltons

Properties: Standard RC with glycerol in special membrane dimension and/or high permeability

Spectra/Por[®] 3 Dialysis Membrane

MWCO: 3,500 Daltons

Properties: Standard RC with glycerol for general dialysis

Spectra/Por[®] 4 Dialysis Membrane

MWCO: 12,000 – 14,000 Daltons

Properties: Standard RC with glycerol for general dialysis

Spectra/Por[®] 5 Dialysis Membrane

MWCO: 12,000 – 14,000 Daltons

Properties: Standard RC with glycerol reinforced with porous paper for large volume and weight

Spectra/Por[®] 6 Dialysis Membrane

MWCO: 1, 2, 3.5, 8, 10, 15, 25 & 50 kD

Properties: Standard RC in 0.05% sodium azide, pre-wetted

Spectra/Por[®] 7 Dialysis Membrane

MWCO: 1, 2, 3.5, 8, 10, 15, 25 & 50 kD

Properties: Standard RC in 0.05% sodium azide, pre-treated to minimize heavy metals & sulfides



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Spectra/Por® Standard RC Dialysis Tubing (Dry Rolls)

Multi-purpose dialysis tubing ideal for general dialysis for a variety of applications and volumes.

Product Specifications

Membrane Type	MWCO	15 Flat Widths (mm)
Spectra/Por 1	6 – 8 kD	10, 23, 32, 40, 50, 100, 120
Spectra/Por 2	12 – 14 kD	10, 25, 45, 105, 120
Spectra/Por 3	3.5 kD	18, 45, 54
Spectra/Por 4	12 – 14 kD	10, 25, 32, 45, 75
Spectra/Por 5	12 – 14 kD	75, 140

Properties: Hydrophilic, symmetric porosity

Quantity: 15 or 30 m roll (depending on Type and Flat Width)

Packaging: Dry with glycerol (rinse out with water)

Related Products: [Tubing Closures \(Universal & Spectra/Por®\)](#) pg 20
[Heavy Metal Cleaning Solution](#) pg 23



NEW! Spectra/Por® Standard RC Dialysis Trial Kits

Provides 5 m lengths of standard RC Dialysis tubing for membrane application evaluation

Product Specifications

Kit Includes: 5 m roll of Spectra/Por 1, 2 or 3
 1 standard Spectra/Por Closure
 1 weighted Spectra/Por Closure
 5 opening picks

Membrane Type	MWCO	6 Flat Widths (mm)
Spectra/Por 1	6 – 8 kD	32 & 50
Spectra/Por 2	12 – 14 kD	25 & 45
Spectra/Por 3	3.5 kD	18 & 54



NEW!

Ordering Information: Spectra/Por® 1, 2, 3, 4 & 5 Tubing & Dialysis Kits

		MWCO	Flat Width (mm)	Diameter (mm)	Vol/Length (ml/cm)	Part No.		NEW Trial Kits 5 m/roll
						15 m/roll	30 m/roll	
Standard RC Membrane Dialysis Tubing	Spectra/Por® 1	6 - 8 kD	10	6.4	0.32	132645	-	-
			23	14.6	1.7	-	132650	-
			32	20.4	3.3	-	132655	132655T
			40	25.5	5.1	-	132660	-
			50	32	7.9	-	132665	132665T
			100	64	32	132670	-	-
			120	76	46	132675	-	-
	Spectra/Por® 2	12 - 14 kD	10	6.4	0.32	132676	-	-
			25	16	2.0	132678	-	132678T
			45	29	6.4	132680	-	132680T
			105	67	34	132682	-	-
			120	76	46	132684	-	-
	Spectra/Por® 3	3.5 kD	18	11.5	1.1	132720	-	132720T
			45	29	6.4	132724	-	-
			54	34	9.3	132725	-	132725T
	Spectra/Por® 4	12 - 14 kD	10	6.4	0.32	-	132697	-
			25	16	2.0	-	132700	-
			32	20.4	3.3	-	132703	-
			45	29	6.4	-	132706	-
			75	48	18	132709	-	-
	Spectra/Por® 5	12 - 14 kD	75	48	18	132754	-	-
			140	89	62	132757	-	-

Standard RC Dialysis Tubing, Pre-treated (Wet Rolls)

Multi-purpose dialysis tubing with more MWCO's available. Pre-wetted Spectra/Por 6 tubing is ready-to-use, not requiring soaking to remove glycerol. Spectra/Por 7 is further pre-cleaned to minimize trace levels of heavy metals & sulfides.

Product Specifications: 2 Treatment Types

Spectra/Por® 6: Pre-wetted

- 8 MWCO's: 1 kD, 2 kD, 3.5 kD, 8 kD, 10 kD, 15 kD, 25 kD & 50 kD
 13 Flat Widths: 8 mm, 10mm, 12 mm, 18 mm, 24 mm, 28 mm, 32 mm,
 34 mm, 38 mm, 40 mm, 45 mm, 50 mm & 54 mm
 Qty & Pkg: 10 m roll, wet in 0.05% sodium azide

Spectra/Por® 7: Pre-treated to reduce trace-level contaminants

- 8 MWCO's: 1 kD, 2 kD, 3.5 kD, 8 kD, 10 kD, 15 kD, 25 kD & 50 kD
 12 Flat Widths: 8 mm, 12 mm, 18 mm, 24 mm, 28 mm, 32 mm,
 34 mm, 38 mm, 40 mm, 45 mm, 50 mm & 54 mm
 Qty & Pkg: 5 m roll, wet in 0.05% sodium azide



Ordering Information: Spectra/Por® 6 & Spectra/Por® 7 Tubing

	MWCO (kD)	Flat Width (mm)	Diameter (mm)	Volume/Length (ml/cm)	Spectra/Por® 6 (pre-wetted)	Spectra/Por® 7 (pre-cleaned)
Standard RC Membrane Pre-treated Tubing	1	18	11.5	1.1	132636	132103
		38	24	4.6	132638	132104
		45	29	6.4	132640	132105
	2	18	11.5	1.1	132620	132107
		38	24	4.6	132625	132108
		45	29	6.4	132633	132109
	3.5	18	11.5	1.1	132590	132110
		45	29	6.4	132592	132111
		54	34	9.3	132594	132112
	8	8	5.1	0.20	128056	128356
		12	7.5	0.45	132579	132113
		18	11.5	1.1	128058	128358
		24	15	1.8	132580	132114
		32	20.4	3.3	132582	132115
		40	25.5	5.1	132584	132116
		50	32	7.9	132586	132131
	10	8	5.1	0.20	128106	128406
		12	7.5	0.45	132570	132117
		18	11.5	1.1	128118	128418
		24	15	1.8	132572	132118
		32	20.4	3.3	132574	132119
		45	29	6.4	132576	132120
	15	8	5.1	0.20	128156	128456
		12	7.5	0.45	132560	132121
		18	11.5	1.1	128158	128458
		24	15	1.8	132562	132122
		32	20.4	3.3	132564	132123
		45	29	6.4	132566	132124
	25	8	5.1	0.20	128206	128506
		12	7.5	0.45	132550	132125
		18	11.5	1.1	128218	128518
		24	15	1.8	128224	128524
		28	18	2.5	132552	132126
		34	22	3.7	132554	132127
	50	10	6.4	0.32	132539	-
		12	7.5	0.45	132540	132128
		28	18	2.5	132542	132129
		34	22	3.7	132544	132130
	Qty				10 m	5 m



Standard RC Ready-to-Use Dialysis Sacks

Designed for the general dialysis of larger sample volumes, the Ready-to-Use Sack consists of a 60 cm length of Spectra/Por 1, 2, 3 or 4 tubing, sealed at one end with a Spectra/Por Closure and a funnel attached to the other for easy filling. Simply fill, apply closure & cut.

Product Specifications

- 4 Membrane Types: Spectra/Por 1, 2, 3 & 4
- 2 Volume Sizes: 1 – 40 ml, 50 – 400 ml
- Properties: Hydrophilic, symmetric porosity
- Packaging: Wet in 0.05% sodium azide
- Quantity: 10/pkg

Ordering Information: Spectra/Por® 1, 2, 3, 4 & 5 Sacks

		MWCO	Flat Width (mm)	Diameter (mm)	Volume (ml)	Part No.	Qty
Standard RC Membrane Ready-to-Use Sacks	Spectra/Por® 1	6 - 8 kD	23	14.6	1 to 40	132651	10/pkg
			50	32	50 to 400	132666	
	Spectra/Por® 2	12 - 14 kD	25	16	1 to 40	132679	
			45	29	50 to 400	132681	
	Spectra/Por® 3	3.5 kD	18	11.5	1 to 40	132721	
			54	34	50 to 400	132726	
	Spectra/Por® 4	12 - 14 kD	25	16	1 to 40	132701	
			45	29	50 to 400	132707	



Standard RC Dialysis Discs & Sheets

Pre-cut membrane discs for use with Spectra/Por MacroDialyzers and Equilibrium Dialyzers. Cut square membrane sheets to use as needed for a variety of dialysis equipment.

Product Specifications

- 5 Membrane Types: Spectra/Por 1, 2, 3, 4 & 5
- 3 Disc Diameters: 33 mm, 47 mm, 100 mm (used with Macro & Eq. Dialyzer)
- Sheet Size: (refer to ordering information)
- Properties: Hydrophilic, symmetric porosity
- Packaging: Dry with glycerol (rinse out with water)
- Quantity: 50/pkg (discs), 25/pkg (sheets)

Related Products: *MacroDialyzer & Equilibrium Dialyzer*

Ordering Information: Spectra/Por® 1, 2, 3, 4 & 5 Discs & Sheets

		MWCO	Disc Diameter			Qty	Sheet (Dimensions - mm)	Qty
Standard RC Membrane Dialysis Discs & Sheets	Spectra/Por® 1	6 - 8 kD	33 mm	47 mm	100 mm	50 discs/pkg	132677 (240 x 240)	25 sheets/pkg
	Spectra/Por® 2	12 - 14 kD	132478	132476	132474		132686 (200 x 200)	
	Spectra/Por® 3	3.5 kD	132482	132480	132477		132723 (108 x 108)	
	Spectra/Por® 4	12 - 14 kD	132488	132486	132484		132712 (150 x 150)	
	Spectra/Por® 5	12 - 14 kD	132498	132496	132494		132759 (275 x 275)	
			-	-	-			



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