

## Standard Grade RC Membrane



### Spectra/Por® 1 - 7

Due to Standard Regenerated Cellulose's (RC) composition of natural cellulose polymer from cotton linters, these membranes are perfectly suited for a broad range of laboratory dialysis applications. This clear and flexible membrane 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 membranes can be used in pH 2–12 & temperatures 4–121°C environments. Low level heavy metal impurities in Standard RC can easily be eliminated using Spectrum's Heavy Metal Cleaning Solution. Standard RC Membrane is available as rolls of dialysis tubing (dry or pre-treated), dialysis trial kits, or 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 combinations of properties to suit various applications:

#### 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 multiple configurations and/or high permeability

#### Spectra/Por® 3 Dialysis Membrane

MWCO: 3,500 Daltons

Properties: Standard RC with or without 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 without glycerol, reinforced with porous fiber 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 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) or without glycerol

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



## NEW! Spectra/Por® Standard RC Dialysis Trial Kits

Short lengths of standard RC Dialysis tubing for membrane application evaluation

### Product Specifications

Kit Includes: 1 or 5 m roll of Spectra/Por 1, 2 or 3

1 standard Spectra/Por Closure & 1 weighted Spectra/Por Closure or 2 standard Spectra/Por Closures

5 opening picks (Spectra/Por 6 & 7 trial kits only)



**NEW!**

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

	MWCO	Glycerol	Flat Width (mm)	Diameter (mm)	Vo/Length (ml/cm)	Part No.		Trial Kits	NEW Trial Kits
						15 m/roll	30 m/roll	5 m/roll	1 m/roll
<b>Spectra/Por® 1</b>	6 - 8 kD	yes	10	6.4	0.32	132645	-	132645T	132645T1
		yes	23	14.6	1.7	-	132650	132650T	132650T1
		yes	32	20.4	3.3	-	132655	132655T	132655T1
		yes	40	25.5	5.1	-	132660	132660T	132660T1
		yes	50	32	7.9	-	132665	132665T	132665T1
		yes	100	64	32	132670	-	132670T	132670T1
		yes	120	76	46	132675	-	132675T	132675T1
<b>Spectra/Por® 2</b>	12 - 14 kD	yes	10	6.4	0.32	132676	-	-	-
		yes	25	16	2.0	132678	-	132678T	132678T1
		yes	45	29	6.4	132680	-	132680T	132680T1
		yes	105	67	34	132682	-	132682T	132682T1
		yes	120	76	46	132684	-	132684T	132684T1
<b>Spectra/Por® 3</b>	3.5 kD	yes	18	11.5	1.1	132720	-	132720T	132720T1
		no	45	29	6.4	132724	-	132724T	132724T1
		no	54	34	9.3	132725	-	132725T	132725T1
<b>Spectra/Por® 4</b>	12 - 14 kD	yes	10	6.4	0.32	-	132697	-	-
		yes	25	16	2.0	-	132700	-	-
		yes	32	20.4	3.3	-	132703	132703T	132703T1
		yes	45	29	6.4	-	132706	-	-
		yes	75	48	18	132709	-	132709T	132709T1
<b>Spectra/Por® 5</b>	12 - 14 kD	no	75	48	18	132754	-	132754T	132754T1
		no	140	89	62	132757	-	132757T	132757T1

## 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, and does not require 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		Spectra/Por® 7		
					(pre-wetted)	trial kits	(pre-cleaned)	trial kits	
Standard RC Membrane Pre-treated Tubing	1	18	11.5	71.1	132636	132636T	132103	132103T	
		38	24	4.6	132638	132638T	132104	132104T	
		45	29	6.4	132640	132640T	132105	132105T	
	2	18	11.5	1.1	132620	132620T	132107	132107T	
		38	24	4.6	132625	132625T	132108	132108T	
		45	29	6.4	132633	132633T	132109	132109T	
	3.5	18	11.5	1.1	132590	132590T	132110	132110T	
		45	29	6.4	132592	132592T	132111	132111T	
		54	34	9.3	132594	132594T	132112	132112T	
	8	8	5.1	0.20	128056	128056T	128356	128356T	
		12	7.5	0.45	132579	132579T	132113	132113T	
		18	11.5	1.1	128058	128058T	128358	128358T	
24		15	1.8	132580	132580T	132114	132114T		
32		20.4	3.3	132582	132582T	132115	132115T		
40		25.5	5.1	132584	132584T	132116	132116T		
50		32	7.9	132586	132586T	132131	132131T		
10	8	5.1	0.20	128106	128106T	128406	128406T		
	12	7.5	0.45	132570	132570T	132117	132117T		
	18	11.5	1.1	128118	128118T	128418	128418T		
	24	15	1.8	132572	132572T	132118	132118T		
	32	20.4	3.3	132574	132574T	132119	132119T		
	45	29	6.4	132576	132576T	132120	132120T		
15	8	5.1	0.20	128156	128156T	128456	128456T		
	12	7.5	0.45	132560	132560T	132121	132121T		
	18	11.5	1.1	128158	128158T	128458	128458T		
	24	15	1.8	132562	132562T	132122	132122T		
	32	20.4	3.3	132564	132564T	132123	132123T		
	45	29	6.4	132566	132566T	132124	132124T		
25	8	5.1	0.20	128206	128206T	128506	128506T		
	12	7.5	0.45	132550	132550T	132125	132125T		
	18	11.5	1.1	128218	128218T	128518	128518T		
	24	15	1.8	128224	128224T	128524	128524T		
	28	18	2.5	132552	132552T	132126	132126T		
	34	22	3.7	132554	132554T	132127	132127T		
50	10	6.4	0.32	132539	132539T	-	-		
	12	7.5	0.45	132540	132540T	132128	132128T		
	28	18	2.5	132542	132542T	132129	132129T		
	34	22	3.7	132544	132544T	132130	132130T		
					Qty	10 m	1 m	5 m	1 m



## Standard RC Ready-to-Use Dialysis Sacks

Designed for 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 end 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 and pre-cut square membrane sheets for 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

Sheet Size: Refer to ordering information

Properties: Hydrophilic, symmetric porosity

Packaging: Dry with glycerol (rinse out with water) or without glycerol

Quantity: 50/pkg (discs), 25/pkg (sheets)

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

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



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