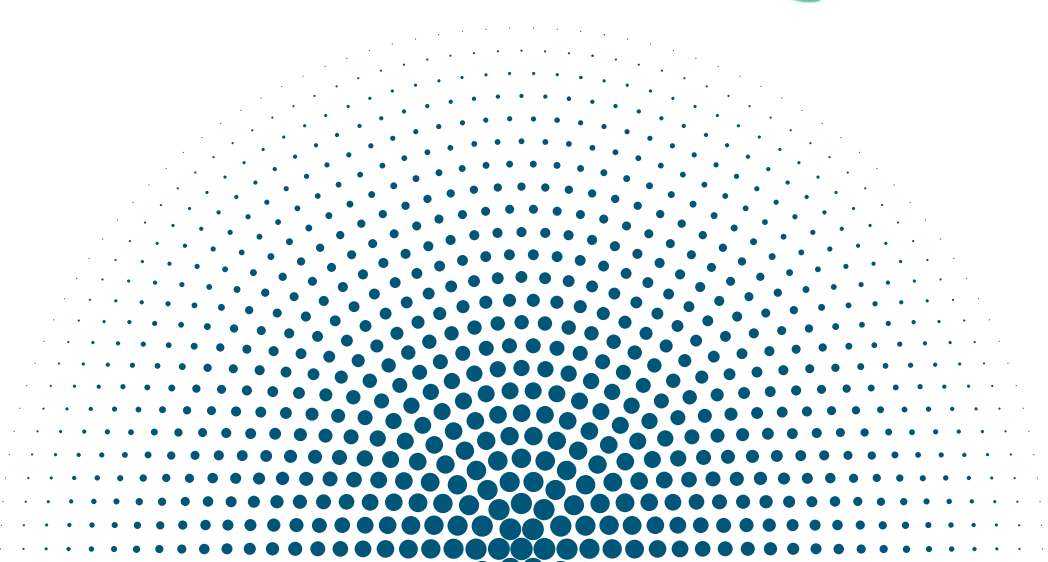


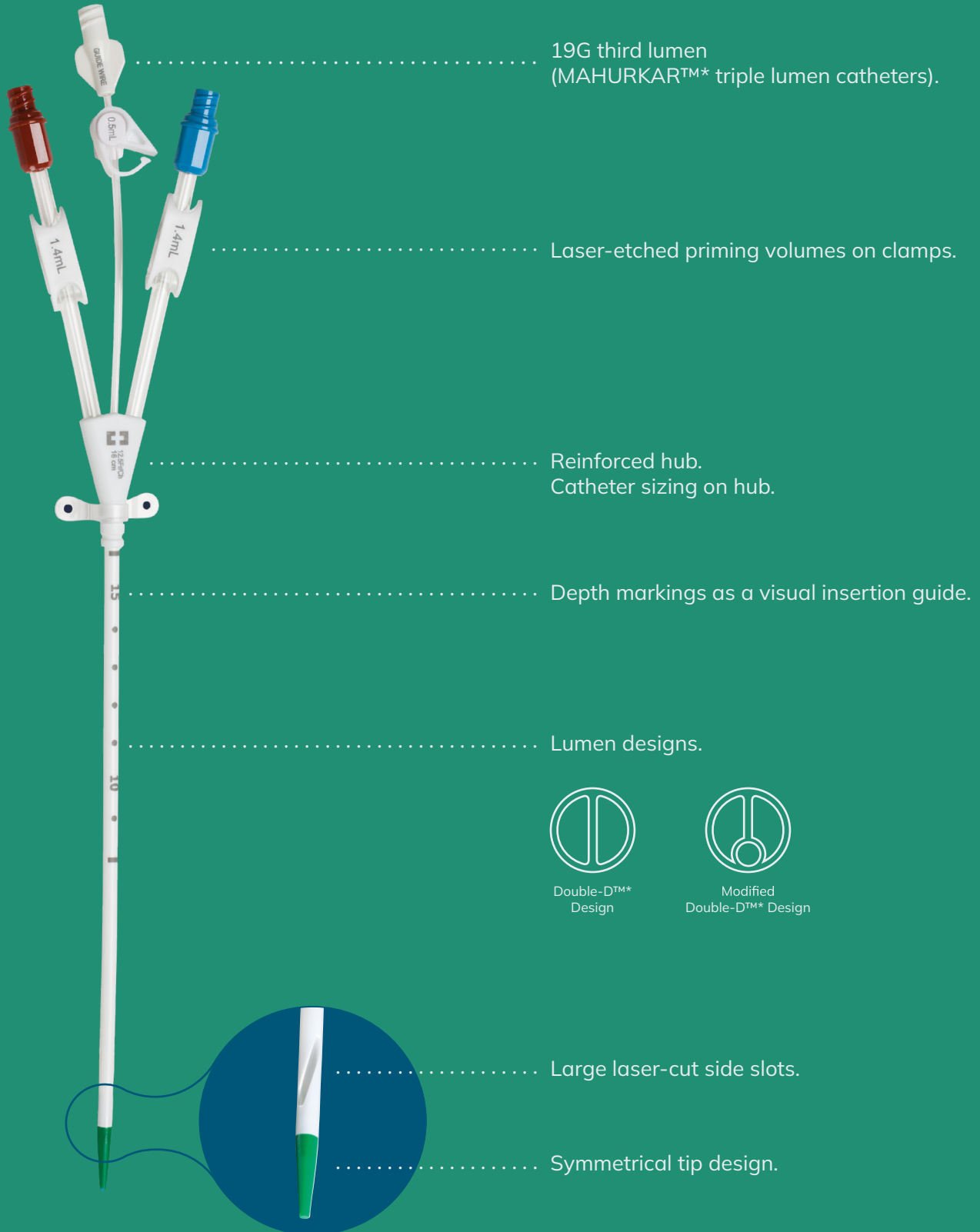
One catheter family.
A full spectrum of
acute dialysis care.

MAHURKAR™* Elite
acute dialysis catheter family

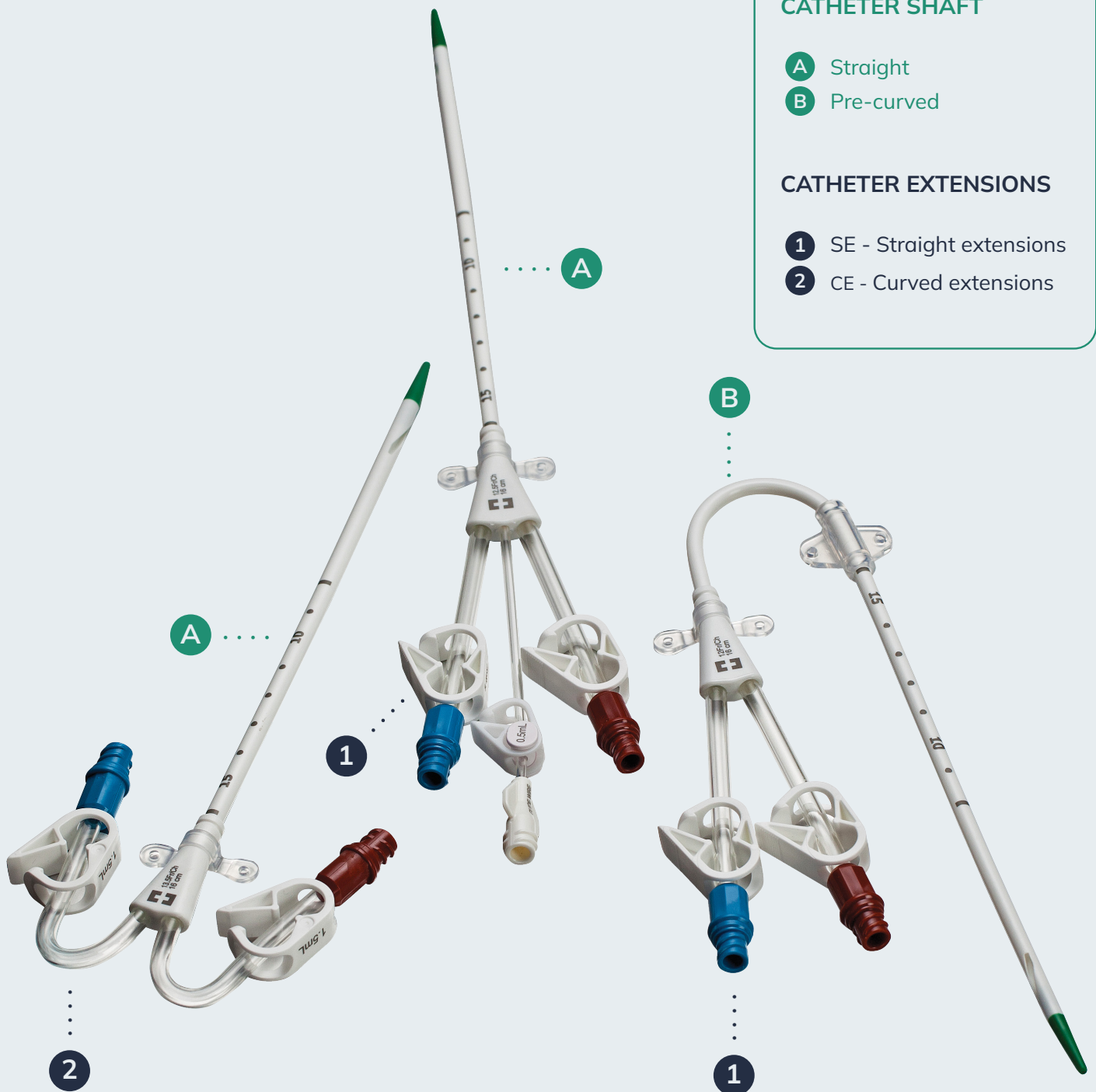


Mozarc
Empowering patients. Enriching lives. **medical**





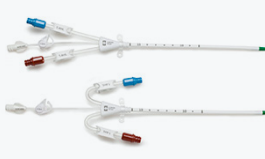

The design of the MAHURKAR™* Elite acute catheter family



The available configurations of the MAHURKAR™* Elite acute catheter family



The MAHURKAR™* Elite acute catheter portfolio

	12 Fr dual lumen catheter	12.5 Fr triple lumen catheter	13.5 Fr high flow dual lumen catheter
Lumen design	 <p>Double-D™* Design</p>	 <p>Modified Double-D™* Design</p>	 <p>Double-D™* Design</p>
Flow Rates	Consistently achieves flow rates up to 400 mL/min ^{1,†}	<p>Consistently achieves flow rates up to 400 mL/min^{1,†}</p> <p>The maximum recommended infusion rate of the third lumen is 5 mL/s for pressure injection of contrast media².</p>	Consistently achieves flow rates up to 450 mL/min ^{1,†}
Configurations			
Indications	<ul style="list-style-type: none"> • Hemodialysis • Apheresis • Infusion 	<ul style="list-style-type: none"> • Hemodialysis • Apheresis • Infusion • High Pressure contrast injection • Central venous pressure monitoring 	<ul style="list-style-type: none"> • Hemodialysis • Apheresis • Infusion

Our complete acute vascular access portfolio

Mahurkar™* Elite Catheters Kits

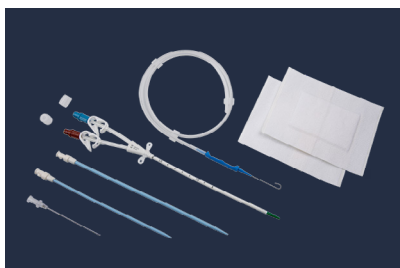
Sterile contents included in the kit

- (1) Catheter
- (1) 18 G Introducer Needle
- (1) J/Straight 0.035" × 70 cm Guidewire with Thumb Advancer
- (1) Removable Suture Wing (Precurved catheters only)
- (1) Tissue Dilator, 10 Fr
- (1) Tissue Dilator, 12 Fr (12 Fr and 12.5 Fr catheters only)
- (1) Tissue Dilator, 14 Fr (13.5 Fr catheter only)
- (2) Telfa™* Island Dressings
- (2) Sealing Caps (3 provided with 12.5 Fr catheter)



MAHURKAR™* Elite 12 Fr Straight Extension Dual Lumen Catheters Kits

Code	Implant Length (cm)	Arterial Priming Volume (mL)	Venous Priming Volume (mL)	Ship Case
8888221213	13	1.2	1.2	5
8888221216	16	1.3	1.3	5
8888221220	20	1.4	1.4	5
8888221224	24	1.5	1.5	5
8888221230	30	1.8	1.8	5



MAHURKAR™* Elite 12 Fr Curved Extension Dual Lumen Catheters Kits

Code	Implant Length (cm)	Arterial Priming Volume (mL)	Venous Priming Volume (mL)	Ship Case
8888222213	13	1.2	1.2	5
8888222216	16	1.3	1.3	5
8888222220	20	1.4	1.4	5
8888222224	24	1.5	1.5	5



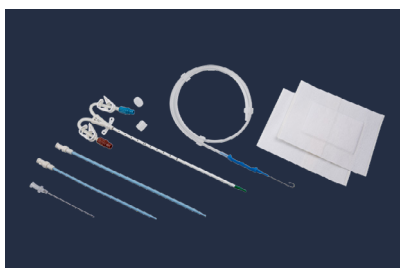
MAHURKAR™* Elite 12 Fr Pre-Curved Shaft Dual Lumen Catheters Kits

Code	Implant Length (cm)	Arterial Priming Volume (mL)	Venous Priming Volume (mL)	Ship Case
8888223213	13	1.5	1.5	5
8888223216	16	1.6	1.6	5
8888223220	20	1.7	1.7	5



MAHURKAR™* Elite 13.5 Fr High Flow Straight Extension Dual Lumen Catheters Kits

Code	Implant Length (cm)	Arterial Priming Volume (mL)	Venous Priming Volume (mL)	Ship Case
8888211213	13	1.3	1.3	5
8888211216	16	1.4	1.4	5
8888211220	20	1.6	1.6	5
8888211224	24	1.7	1.7	5
8888211230	30	2.0	2.0	5



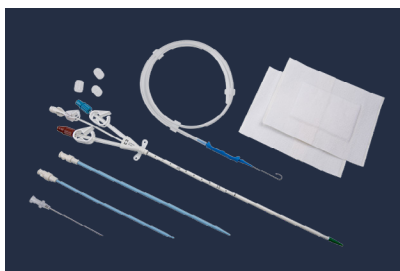
MAHURKAR™* Elite 13.5 Fr High Flow Curved Extension Dual Lumen Catheters Kits

Code	Implant Length (cm)	Arterial Priming Volume (mL)	Venous Priming Volume (mL)	Ship Case
8888212213	13	1.3	1.3	5
8888212216	16	1.4	1.4	5
8888212220	20	1.6	1.6	5
8888212224	24	1.7	1.7	5



MAHURKAR™* Elite 13.5 Fr High Flow Pre-Curved Shaft Dual Lumen Catheters Kits

Code	Implant Length (cm)	Arterial Priming Volume (mL)	Venous Priming Volume (mL)	Ship Case
8888213213	13	1.6	1.6	5
8888213216	16	1.7	1.7	5
8888213220	20	1.9	1.9	5



MAHURKAR™* Elite 12.5 Fr Straight Extension Triple Lumen Catheters Kits

Code	Implant Length (cm)	Arterial Priming Volume (mL)	Venous Priming Volume (mL)	Ship Case
8888231213	13	1.2	1.2	5
8888231216	16	1.3	1.3	5
8888231220	20	1.4	1.4	5
8888231224	24	1.5	1.5	5
8888231230	30	1.8	1.8	5



MAHURKAR™* Elite 12.5 Fr Curved Extension Triple Lumen Catheters Kits

Code	Implant Length (cm)	Arterial Priming Volume (mL)	Venous Priming Volume (mL)	Ship Case
8888233213	13	1.2	1.2	5
8888233216	16	1.3	1.3	5
8888233220	20	1.4	1.4	5
8888233224	24	1.5	1.5	5



MAHURKAR™* Straight Extension Dual Lumen Catheters

Side Hole Codes	Side Slots Codes	Catheter Size (Fr)	Implant Length (cm)	Arterial Priming Volume (mL)	Venous Priming Volume (mL)	Ship Case
8817142005		10	12	0.8	0.9	5
8817145005		10	15	0.9	1.0	5
	8813816005	11.5	13.5	1.0	1.1	5
	8830414001	11.5	16	1.1	1.2	5
	8813794005	11.5	19.5	1.2	1.3	5
	8831662001	11.5	24	1.4	1.5	5



MAHURKAR™* Straight Extension Dual Lumen Catheter Kits

Sterile contents included in the kit

- | | |
|---|---------------------------------------|
| (1) Catheter (8, 10 or 11.5 Fr) | (1) 8 Fr or 10 Fr Dilator |
| (1) 18 ga Introducer Needle | (1) 12 Fr Dilator (11.5 Fr Kits Only) |
| (1) J/Straight Guidewire - (0.032"/8 Fr,
0.035"/10 Fr or 0.038"/11.5 Fr) | (2) Telfa™* Island Dressings |
| | (2) Sealing Caps |

Side Hole Codes	Side Slots Codes	Catheter Size (Fr)	Implant Length (cm)	Arterial Priming Volume (mL)	Venous Priming Volume (mL)	Ship Case
8832539001		8	9	0.8	0.9	5
8832539002		8	12	0.9	0.9	5
8832539003		8	15	1.0	1.0	5
8817146001		10	15	0.9	1.0	5
	8813817005	11.5	13.5	1.0	1.1	5
	8830415001	11.5	16	1.1	1.2	5
	8813793009	11.5	19.5	1.2	1.3	5
	8831661001	11.5	24	1.4	1.5	5



MAHURKAR™* Curved Extension Dual Lumen Catheters

Code	Catheter Size (Fr)	Implant Length (cm)	Arterial Priming Volume (mL)	Venous Priming Volume (mL)	Ship Case
8813816009	11.5	13.5	1.1	1.2	5
8830414002	11.5	16	1.2	1.3	5
8813794009	11.5	19.5	1.3	1.4	5



MAHURKAR™* Curved Extension Dual Lumen Catheter Kits

Sterile contents included in the kit

- (1) 8 Fr, 10 Fr, or 11.5 Fr Catheter
- (1) 18 ga Introducer Needle
- (1) J/Straight Guidewire
- (1) 8 Fr Dilator (8 Fr catheter only)
- (1) 10 Fr Dilator (10 Fr and 11.5 Fr kits only)
- (1) 12 Fr Dilator (11.5 Fr catheter only)
- (2) Telfa™** Island Dressings
- (2) Sealing Caps

Side Hole Codes	Side Slots Codes	Catheter Size (Fr)	Implant Length (cm)	Arterial Priming Volume (mL)	Venous Priming Volume (mL)	Ship Case
8832539006		8	12	1.0	1.1	5
8832539007		8	15	1.1	1.2	5
8817143005		10	12	0.9	1.0	5
8817146007		10	15	1.0	1.1	5
8817149007		10	19.5	1.1	1.2	5
	8813817009	11.5	13.5	1.1	1.2	5
	8830415003	11.5	16	1.2	1.3	5
	8813793013	11.5	19.5	1.3	1.4	5



MAHURKAR™ 13.5 Fr High Flow Straight Extension Dual Lumen Catheter Kits

Sterile contents included in the kit

- (1) 13.5 Fr Catheter
- (1) 18 ga Introducer Needle
- (1) J/Straight 0.038" × 70 cm Guidewire
- (1) 10 Fr Dilator
- (1) 14 Fr Dilator
- (2) Telfa™ Island Dressings
- (2) Sealing Caps

Code	Implant Length (cm)	Arterial Priming Volume (mL)	Venous Priming Volume (mL)	Ship Case
8888135131	13.5	1.3	1.4	5
8888135161	16	1.4	1.5	5
8888135191	19.5	1.6	1.7	5
8888135241	24	1.8	1.9	5

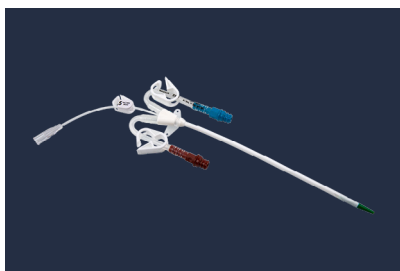


MAHURKAR™ 13.5 Fr High Flow Curved Extension Dual Lumen Catheter Kits

Sterile contents included in the kit

- (1) 13.5 Fr Catheter
- (1) 18 ga Introducer Needle
- (1) J/Straight 0.038" × 70 cm Guidewire
- (1) 10 Fr Dilator
- (1) 14 Fr Dilator
- (2) Telfa™ Island Dressings
- (2) Injection Sealing Caps

Code	Implant Length (cm)	Arterial Priming Volume (mL)	Venous Priming Volume (mL)	Ship Case
8888135132	13.5	1.4	1.5	5
8888135162	16	1.5	1.6	5
8888135192	19.5	1.7	1.8	5
8888135242	24	1.9	2.0	5



Modified
Double-D™
Design

MAHURKAR™* 12 Fr High Pressure Curved Extension Triple Lumen Catheters

Code	Implant Length (cm)	Lumen Priming Volumes (mL)			Ship Case
		Red Or Arterial	Blue Or Venous	Clear Or Medial	
8888345504HP	13	1.4	1.4	0.4	5
8888345512HP	16	1.5	1.5	0.4	5
8888345520HP	20	1.6	1.7	0.5	5
8888345538HP	24	1.8	1.8	0.5	5



MAHURKAR™* 12 Fr High Pressure Straight Extension Triple Lumen Catheter Kits

Sterile contents included in the kit

- | | |
|---|------------------------------|
| (1) 12 Fr Catheter | (1) 12 Fr Dilator |
| (1) 18 ga Introducer Needle | (2) Telfa™* Island Dressings |
| (1) J/Straight 0.035" × 70 cm Guidewire | (3) Sealing Caps |
| (1) 10 Fr Dilator | |

Code	Implant Length (cm)	Lumen Priming Volumes (mL)			Ship Case
		Red Or Proximal	Blue Or Venous	Clear Or Medial	
8888340629HP	20	1.2	1.2	0.4	5
8888340637HP	24	1.3	1.3	0.4	5



MAHURKAR™* 12 Fr High Pressure Curved Extension Triple Lumen Catheter Kits

Sterile contents included in the kit

- | | |
|---|------------------------------|
| (1) 12 Fr Catheter | (1) 12 Fr Dilator |
| (1) 18 ga Introducer Needle | (2) Telfa™* Island Dressings |
| (1) J/Straight 0.035" × 70 cm Guidewire | (3) Sealing Caps |
| (1) 10 Fr Dilator | |

Code	Implant Length (cm)	Lumen Priming Volumes (mL)			Ship Case
		Red Or Arterial	Blue Or Venous	Clear Or Medial	
8888345603HP	13	1.4	1.4	0.4	5
8888345611HP	16	1.5	1.5	0.4	5
8888345629HP	20	1.6	1.7	0.5	5
8888345637HP	24	1.8	1.8	0.5	5



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1. Based on Internal Test Report 50136-180-MS-12. 2012.

2. Study 50136-156-MS-11.

†. Based on preclinical bench data. Results may not correlate with clinical performance in humans.

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