

OPTIVA® W I.V. Catheters

Technical Summary Sheet



Device description

The Optiva® W I.V. Catheter features an electro polished V-point needle and finely tapered catheter shoulders, thin walled construction and is radiopaque.

This product incorporates polyurethane, that allows for longer indwelling times and remains firm for insertion, increasing ease of use for clinician and greater comfort for the patient.¹⁻³

Indications

Optiva® W I.V. Catheters are designed for single use. A properly placed I.V. catheter provides access to a vein or artery. These catheters may be used for any patient population with consideration given to patient size, appropriateness for the solution being infused, and duration of therapy. 16G to 24G catheters may be used with power injectors for which the maximum rated pressure is 300 PSI.

Contraindications

This device is not designed, sold or intended for use except as indicated.

Precautions

- This device is not designed to reduce the risk of accidental needlesticks. Universal precautions must be adhered to in accordance with CDC or OSHA standards (USA) for bloodborne pathogens when starting, maintaining or discarding any I.V. catheter to avoid the risk of exposure to contaminated blood.
- During catheter insertion, maintenance and removal, follow current Guideline for Prevention of Intravascular Device-Related Infections, Centers for Disease Control and Prevention, Atlanta, GA (USA).
- Extreme care should be taken not to cut the catheter and possibly cause an embolus:
 - Do not use scissors or sharp implements near I.V. catheters.
 - Needles that extend into a catheter may pierce and/or sever the catheter.
 - Never advance the introducer needle inside the catheter once the needle has been retracted or withdraw. If venipuncture is not successful, discard both needle and catheter.
- Sterile, nontoxic and non pyrogenic unless unit package is opened, wet or damage.
- Do not resterilize.
- The material used to manufacture this I.V. catheter does not contain natural rubber latex. PVC-free.
- Patency must be established prior to use with power injectors.

Clinical features

- Electro polished V-point needle provides a force that is less than J-point needle catheters.⁴
- Clear yet radiopaque material facilitates fluid visualization. Porous vented flash plug design allows consistent flashback.
- Polyurethane is firm upon insertion of the cannula, then softens to conform in the vein. It also allows longer indwelling times.
- Kink-resistant material.
- Thin wall catheter design helps deliver high flow rates.
- Flash plug with porous insert helps reduce possibility of blood leakage.
- Colour coding indicates catheter gauge at a glance available on label and device.

Device components

- Catheter: Polyurethane
- Sheath and connector: Polypropylene
- Housing with wings and point tap: Polypropylene
- Infusion cap: ABS
- Needle: Stainless Steel
- Radiopaque material: Brome
- The device is not made of natural rubber latex or PVC/DEHP

Manufacturing site name and address

Smiths Medical Italia S.r.l. Latina 04100 Italy.

Country of Origin: Italy

Sterilization method

Smiths Medical International Ltd. uses a validated sterilization process. Validation of the sterilization process is performed based on recognized standards. The sterilization method used is ethylene oxide.

Sterile devices

A 3-year expiration date is assigned to the product as long as the packaging is undamaged and unopened.

Product Information						
Product Code	Gauge	Colour	Length (mm)	Outer Diameter (mm)	Inner Diameter (mm)	Flow rate (ml/min)
1114-AI	14	Orange	45	2.2	1.8	315
1116-AI	16	Grey	45	1.8	1.4	210
1118-AI	18	Green	45	1.3	1.0	100
1119-AI	18	Green	32	1.3	1.0	110
1120-AI	20	Pink	32	1.1	0.8	65
1122-AI	22	Blue	25	0.9	0.7	38
1124-AI	24	Yellow	19	0.7	0.5	20

References

1. Stebor AD, Liao J, Juhl S. A peripheral catheter indwell study comparing phlebitis rates between two different catheter materials. 1995.
2. Russel WJ, Micik S, Gourd S, Mackay H, Wright S. A prospective clinical comparison of intravenous polyurethane cannulae. *Anesthesia and Intensive Care*. 1996;24:705-709.
3. Maki DG, Ringer M. Risk factors for infusion-related phlebitis with small peripheral venous catheters. *Ann Intern Med*. 1991;114:845-854.
4. Data on file at Smiths Medical.

For more information visit our website at www.smiths-medical.com

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Smiths Medical International
1500 Eureka Park, Lower Pemberton
Ashford, Kent, TN25 4BF
Tel: +44 (0)845 850 0445
www.smiths-medical.com

Smiths Medical ASD, Inc.
6000 Nathan Lane North
Minneapolis, MN 55442, USA
Tel: 1-614-210-7300 Toll-Free USA: 1-800-258-5361
www.smiths-medical.com

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