

DEVICE DESCRIPTION:

The iO-Flex[®] Irrigation Cannula consists of a rigid, curved, hollow shaft with a proximal luer lock for connection to a standard syringe. The atraumatic distal tip is designed to deliver fluids in the lumbar spinal neural foramen and adjacent spaces. The Gravity flow rate at 1 Meter of Water Infusion Pressure is indicated in **Precautions Section - Table 1**.

HOW SUPPLIED:

The iO-Flex[®] Irrigation Cannula is supplied sterile for single-patient use and available in two (2) different configurations:

Order Number		Description
iO-CC	iO-Flex [®] Contra Irrigation Cannula for irrigating via an ipsilateral approach	
iO-IC	iO-Flex [®] Ipsi Irrigation Cannula for irrigating via a contralateral approach	

INTENDED / INDICATIONS FOR USE:

The iO-Flex Irrigation Cannula is intended for continuous or intermittent preoperative, perioperative or post-operative delivery of local anesthetics and analgesics in the epidural space or near a nerve for regional anesthesia and pain management. May also be used perioperatively during open spinal procedures to irrigate, aspirate, or inject a bolus of fluid or medication.

CONTRAINDICATIONS:

None known.

WARNINGS:

• Decompressing L1/L2 with the iO-Flex system is not advised due to the theoretical risk of damage to the conus medullaris and the low incidence of stenosis at this level.

PRECAUTIONS:

- Read all instructions prior to use.
- Failure to properly follow instructions may result in improper functioning of the device and may lead to patient injury.
- This device should only be used by personnel trained in the use of this device.
- Do not use the product after the "Use By" date.
- Do not use the product if packaging integrity appears compromised, open, or damaged in any way.
- Do not attempt use if any component of the system appears damaged, bent, crushed, or is missing.
- For single patient use only. Do not reuse or resterilize.



- Reuse or attempted resterilization of the device may lead to device failure and subsequent patient injury. Attempted resterilization of the device may create the risk of contamination and patient infection.
- The Gravity flow rate at 1 Meter of Water Infusion Pressure is indicated in **Table 1** below.

	Gravity flow rate (1 Meter of Water Infusion Pressure)
Ipsi Cannula	435 mL/min
Contra Cannula	460 mL/min

Table 1: Gravity Flow Rate

CAUTION: Federal (U.S.A.) law restricts this device to sale by or on the order of a physician.

ADVERSE EVENTS:

The complication rate using the iO-Flex System devices in commercial use has been demonstrated to be low (<5% device-related). The events listed below are associated with use of the iO-Flex System in order of more to least likely.

- Transient nerve irritation
- Hematoma
- Bone fracture
- Durotomy with or without CSF leakage
- Neuropathy
- Bleeding requiring transfusion
- Infection
- Paralysis
- Bowel/Bladder incontinence

DIRECTIONS FOR USE:

- 1. Choose the appropriate device for either an ipsilateral or contralateral access approach.
- 2. Inspect package for damage. If undamaged, open using sterile technique.
- 3. Remove assembly from package and inspect for damage.
- 4. If irrigating, attach a syringe of fluid or medication to the Irrigation Cannula luer. Dispense a small amount of fluid or medication through cannula until visual inspection confirms exit of fluid or medication from distal end.
- 5. After a standard posterior surgical access to the spinal canal has been achieved, advance the distal end of the Irrigation Cannula over the dura towards the neural foramen.
- 6. Ensure that the dura and major neural and neurovascular structures remain on the convex side of the Irrigation Cannula, while the tissues in the lateral recess and/or neural foramen that are targeted for removal remain on the concave side of the Cannula.
- 7. Irrigate as desired. Be certain to follow the prescribed physician labeling that accompanies any fluid/medication to be delivered through the iO-Flex[®] Irrigation Cannula.
- 8. Only medications cleared for administration through an epidural cannula/catheter should be used with the Irrigation Cannula.
- 9. If aspirating,



- a. Attempt to aspirate only fluids with a viscosity comparable to saline. If material is more viscous, dilute with saline if allowed by fluid/medication's IFU.
- b. Aspirate with a 10mL syringe or smaller.

10. At the completion of the procedure, dispose of used product in accordance with all local government regulations.

Symbols:

Symbol	Description
***	Manufacturer
LOT	Lot Number
REF	Model Number
	YYYY-MM-DD
STERILE	Sterile - Method of Sterilization Using Irradiation
\otimes	Do Not Reuse - Single Patient Use Only
8	Do Not Use if Package is Open or Damaged
$\Box i$	Consult Instructions for Use
CONT	Contents
Rx only	Caution – Federal (USA) law restricts this device to sale by or on the order of a physician.

Manufactured in the USA by:



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