

SWITCH is an automatic safety arterial catheter. SWITCH has a built-in safety mechanism that encapsulates the tip of the used needle when it is extracted from the catheter. This prevents accidental needlestick injuries, provided that general effective and safe working procedures and precautions are maintained during use and disposal. The arterial catheter features stabilization wings for secure fixation. SWITCH is equipped with a red flow switch to control blood flow. The red colour indicates arterial line.

Intended use

Intra-arterial short-term cannulation (up to 30 days). The use of this product is restricted to qualified healthcare professionals.

Indications

- Invasive arterial pressure monitoring.
- Arterial blood gas sampling.

Contraindications

SWITCH should not be used:

- in patients with known hypersensitivity to any of the materials used
- in patients with burns, infection or previous vascular surgery at the site for insertion or any disorders that affect blood flow to the limb.

The benefits and the risks of arterial cannulation in patients treated with anti-coagulants or with bleeding disorder should be duly assessed and cannulation implemented with the utmost caution.

Materials used

Polypropylene (PP), Polyethylene (PE), Polycarbonate (PC), Polybutylene terephthalate (PBT), Acrylic copolymer, silicone, stainless steel.

Catheter with radiopaque lines: Fluorinated Ethylene Propylene (FEP) or Polyurethane (PUR), see package labelling. This product is not made with natural rubber latex. This product is PVC- and DEHP-free. This product is sterilized with Ethylene Oxide gas.

Instructions for use

- Carefully select and aseptically prepare the site.
- Select a suitable arterial catheter size, catheter hub color indicates catheter gauge size. Make sure that the packaging is not damaged and check the expiry date.
- Remove the arterial catheter from the sterile packaging.
- Grip the arterial catheter, remove the needle cover and make sure that the needle and the catheter tip are properly aligned.
- Perform arterial puncture and check for blood indication in the flashback chamber.
- Advance the catheter, ensure the tip is in the artery. Advance further, hold the catheter hub for stabilization and simultaneously withdraw the needle completely. Push the flow switch forward to close and control the blood flow. Always pull the needle straight back. Confirm that the safety mechanism encapsulates the needle tip.
- Dispose of the needle in an approved sharps container.
- Connect an extension line with a 6% (Luer) taper connection and open the flow switch.
- Secure the arterial catheter to facilitate a clear fluid path and cover the insertion site with a sterile dressing. If sutures are used to secure the catheter, only suture through the eyelets in the wings.
- Follow local guidelines for the labelling of arterial lines.
- Perform routine monitoring and arterial puncture site care according to local procedures. When possible, advise the patient to report any insertion site-related pain, leakage or discomfort to a healthcare professional.

Caution












- Improper transport and handling may cause structural and/or functional damage to the arterial catheter and/or its packaging.
- Store in a clean, dry place at room temperature to avoid affecting packaging/sealing integrity.
- The product must be used immediately after the packaging is opened to guarantee product sterility.
- The flow switch is a temporary flow control that should be monitored. If the product is not connected to an extension line, the catheter hub must be closed off with a Luer cap.
- Do not bend the needle before use, during advancement or removal. A bent needle can damage the catheter and/or affect the safety mechanism's functionality.
- Do not re-insert a partially or completely withdrawn needle as this could damage the catheter.
- Covering (e.g. with your finger or a dressing) the end of the catheter hub during withdrawal could prevent safety mechanism activation.
- Placing arterial catheters near flexing joints and/or poor catheter fixation may cause kinking of the catheter.
- For single-use only, reuse may cause cross-contamination.
- Always follow local protocols for infection control procedures and change intervals. Remove the arterial catheter immediately at any sign of local inflammation or infection, patient discomfort, product dysfunction or when the product is no longer needed.
- The red flow switch indicates arterial use, do not inject or insert any drug or solution intended for intravenous administration.
- Do not use scissors or other sharp objects when removing the fixation dressing as this may damage the catheter. If suture is used for fixation, take care not to cut the catheter when removing the stitches.

Label information


The numerals marked next to the EO sterilization symbol on single unit labels are identifiers for the cavity in the packing die. The specification numbers printed on packaging and labels are graphic reference numbers. For an explanation of the symbols, see the separate Symbols Glossary in these Instructions for Use.


SWITCH Automatic safety arterial catheter

Symbol glossary (symbols harmonizing with ISO 15223-1:2016)

	Manufacturer		Catalogue number
	Date of manufacture		Batch code
	Consult instructions for use		Fragile
	Do not re-use		Keep dry
	Use-by date		Keep away from sunlight
	Sterilized using ethylene oxide		

Additional symbol glossary

	EN: Do not use if package is damaged	SR:
	DA:	HR:
	NO:	LT:
	SV:	HU:
	FI:	RU:
	EL:	TR:
	DE:	RO:
	NL:	PL:
	FR:	CS:
	IT:	
	ES:	
	PT:	

	EN: Not made with natural rubber latex	SR:
	DA:	HR:
	NO:	LT:
	SV:	HU:
	FI:	RU:
	EL:	TR:
	DE:	RO:
	NL:	PL:
	FR:	CS:
	IT:	
	ES:	
	PT:	