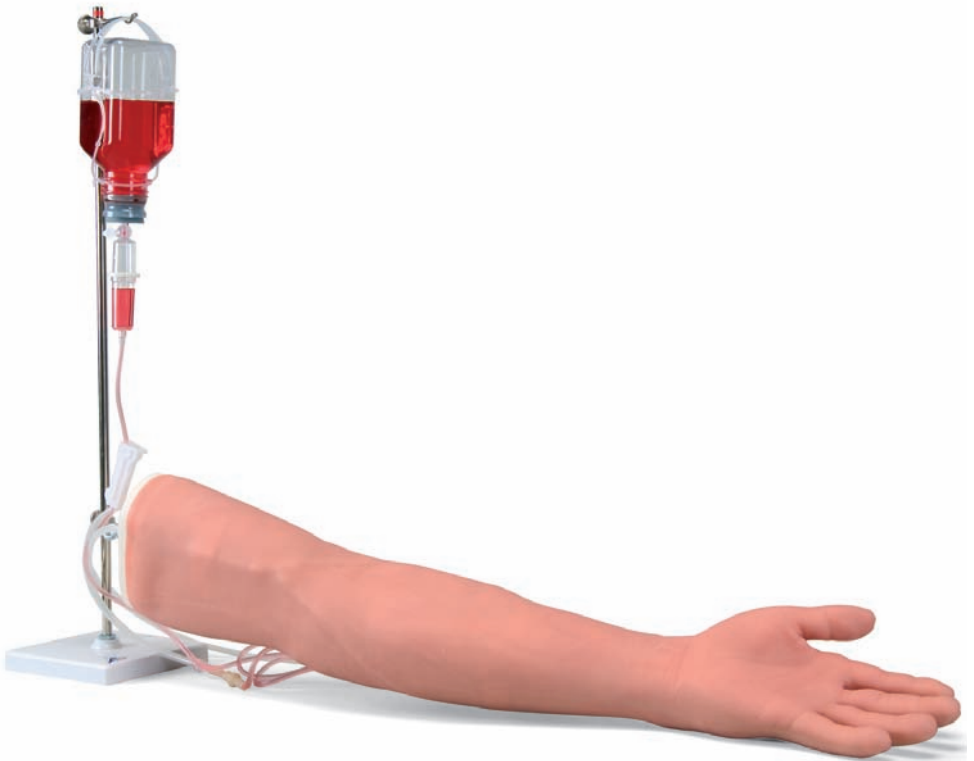




*...going one step further*



**P50**

# Injection Arm

English

Congratulations on the product you have chosen. The injection arm is made of 3B SKINlike™ silicone and is extremely durable. The injection arm can be used to train intravenous injections, punctures of the peripheral veins [basilic v., cephalic v., median cubital v., hand (dorsal venous network)].

## Accessories:

- 1 injection arm
- 1 infusion bottle
- 1 suspension net
- 1 rubber cork
- 1 infusion system with air filter
- 1 stand (with 2 height-adjustable hanging devices)
- 1 bottle of artificial blood
- 1 cup
- 1 disposable syringe
- 2 injection cannulas (recommended cannula size: 20 and 21 gauge)
- 2 tubing systems with (white) sealing caps as replacement parts
- 4 (white) sealing caps as replacement parts
- 1 can of talcum powder

## Mounting the injection arm

- Attach the upper hanging device at the red mark on the stand and the lower one at a height of approx. 10 cm.
- Hang the injection arm onto the lower hanging device using the ring screw.
- Fill water into the infusion bottle and add a few drops of the artificial blood.
- Put the rubber cork on the infusion bottle.
- Pull the suspension net over the infusion bottle.
- Close the flow control of the infusion system (Fig. 1).
- Prick the tip of the infusion system as far as possible through the rubber cork (Fig. 2).
- Hang the infusion bottle into the upper hanging device of the stand.
- Fill the drip chamber of the infusion system by pressing together the chamber walls and open the air filter (Fig. 3).
- First remove the sealing cap of the infusion tube and then the sealing cap of the short tube on the injection arm and connect these (Fig. 4).
- Remove the sealing cap of the long tube on the injection arm and hang the tube in the cup.
- Now open the flow control of the infusion system and close the flow control again as soon as the artificial blood reaches the cup. Place the sealing cap on the long tube (Fig. 5).
- You can now begin puncturing the peripheral veins (Fig. 6).
- In case of frequent puncture procedures please make sure to open the flow control again to allow more artificial blood to flow in, then close it again.

## Rinsing the tubing system

When you do not use the injection arm for a prolonged period of time, it is recommended to rinse the tubing system so that no dye residues can settle in the system.

- Instead of the artificial blood, please fill water into the infusion bottle.
- Open the flow control, remove the sealing cap of the long tube on the injection arm and hang the tube in the cup until the water reaches the cup.
- Close the flow control and place the sealing caps on the tubes.

## Changing the skin and the tubing system

### How to pull off the skin:

- To change the skin of the injection arm, unfasten the ring screw of the injection arm, remove the sealing caps from the tubes, remove the cover plates, pull the tube through the locating hole and pull the skin off the core of the arm.

## How to change the tubing system:

- Unfasten the Velcro strips, remove the tubing system, fit the new system into the provided grooves and refasten it using the Velcro strips.

## How to attach the skin:

- The new skin can be easily pulled over the arm core by putting some talcum powder into the skin and distributing the powder by moving the skin back and forth. Pull the skin over the arm core, put the tube back through the location hole and the cover plates. The rim of the skin should be squeezed between the two cover plates. Fasten the ring screw and replace the sealing caps onto the tubes.

### Please note the following:

- The skin and the tubing system of the injection arm are subject to wear and tear caused by usage. We supply the skin or the tubing system as a replacement part.
- As the injection arm is an anatomical model, several – non-puncturable – veins are portrayed in the skin in addition to the puncturable veins.
- The artificial blood may cause permanent stains. Please handle with care.
- Indwelling vein cannulas may damage the material of the skin and of the tubing system. Please use only injection cannulas of the recommended size (20 or 21 gauge).

## Product numbers for replacement parts

- XP102 Infusion bottle with suspension net
- XP104 3 complete tubing systems
- XP106 Replacement skin with hand core
- XP107 Arm core (without hand)
- XP108 Artificial blood

In case of complaints, please indicate the serial number imprinted on the core of the injection arm under the white cover plates.

