



User Guide

Standard Venepuncture Arm

Product No: **00330** (Light)
Product No: **00331** (Brown)



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Standard Venepuncture Arm - Light

Product No: **00330**

The SV Arm is ideal for a clinical skills training environment where large numbers of trainees are practising the skills below on a regular basis. Little technical knowledge is required for setup and maintenance, making this product perfect for students to use during self-directed learning time in a skills laboratory.

Skills

- Venepuncture
- IV Cannulation
- IV Infusion
- Professional-to-patient communication

Features

- Veins are long lasting and are easy to replace
- Can be used with vacuum blood collection systems
- Realistic blood flashback
- Realistic, soft, flexible skin and underlying palpable veins
- Easy to clean, service and maintain
- Accessible veins: dorsal metacarpal, cephalic and basilic are easy to replace
- Can be adapted for professional-to-patient communication (role play) using **Venepuncture Arm Harness** Product No: **00300**

Package supplied

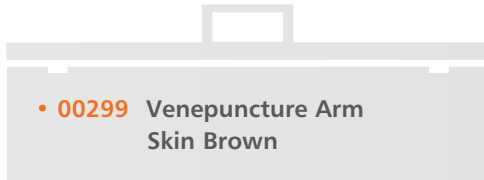
- **00291 Venepuncture Arm Skin - Light**
- **00333 SV Arm Vein**
- **00334 SV Vein Module**
- **00336 Bag & Stand Venepuncture Arm Mock Blood Supply**
- **00020 Concentrated Venous Blood - Starter Pack**
- **00335 Venepuncture Arm Infusion Tube**
- **00302 Venepuncture Arm Rest**
- 3 Sachets of water-based lubricant
- 1 Arm shell

Standard Venepuncture Arm - Brown

Product No: **00331**

As per the Standard Venepuncture Arm - Light.

Package supplied (where different)



Important: handling & hygiene

- Venepuncture training is a potentially messy process so always set the product up on a wipe clean surface. The instructions supplied in this User Guide are designed to minimise the risk of any spillage. Even so, it is a good idea to keep paper towelling close to hand just in case.
- Do not wear 'best' clothes when training with this product. If concentrate or Mock Blood gets onto clothing it should be immediately flushed with water to avoid permanent staining. Any remaining marks will come out using a biological detergent.
- If concentrate or Mock Blood gets into the eyes flush with plenty of cold water.
- Observe normal hygiene procedures after handling the product.
- Veins contain latex.

Components



**Venepuncture Arm
Skin - Light**

Product No: **00291**



**Venepuncture Arm
Skin - Brown**

Product No: **00299**



Venepuncture Arm Rest

Product No: **00302**



SV Arms Veins (Latex)

Product No: **00333**

(With adhesive fastening strips)



**Venepuncture Arm
Infusion Tube**

Product No: **00335**



**Bag & Stand
Venepuncture Arm
Mock Blood Supply**

Product No: **00336**



**Concentrated Venous
Blood - Starter Pack**

Product No: **00020**

Storing the Arm (Depending on version bought)



Cardboard box

The Bag & Stand is stored underneath the cardboard insert.



Case: top layer

The Carry Case is an optional extra.



Case: bottom layer

Bottom layer has additional storage for accessories.

Setting up the Standard Venepuncture Arm



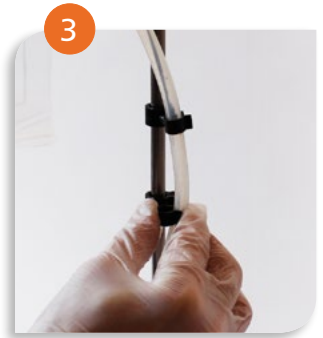
Place the base on the work surface.

Screw together the two parts of the stand.



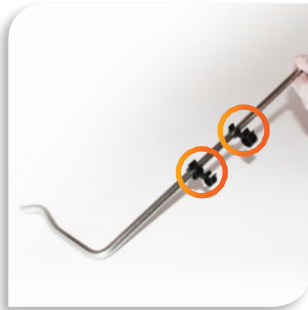
Push the Stand through the collar and into the hole in the base. Tighten the red knob.

Hang the bag on the hook.



Push the pressure tube attached to the bag lid into the black plastic clips.

Avoid any kinks in the pressure tube by making sure that there is large u-bend at the top.





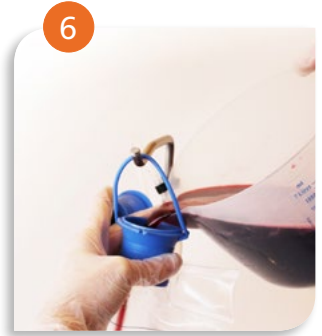
Place the Arm in position on the Arm Rest.

Fill the Concentrated Venous Blood - Starter Pack with water up to the level indicated on the label.



Tightly screw on the cap and gently invert the Starter Pack 5 or 6 times to thoroughly mix the contents. Do not shake. The Mock Blood is ready to use.

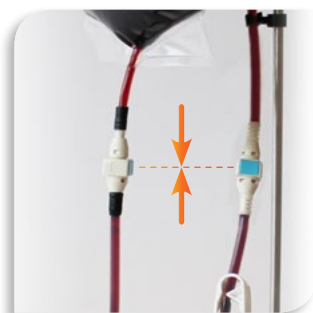
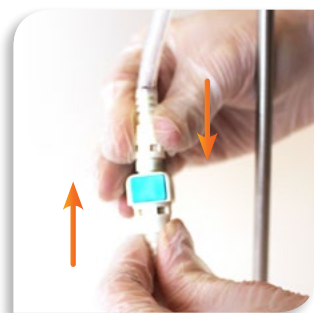
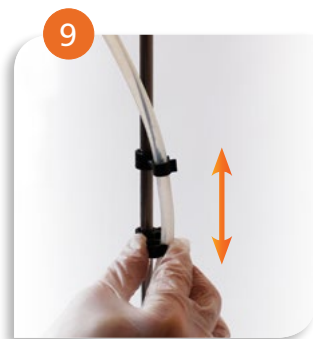
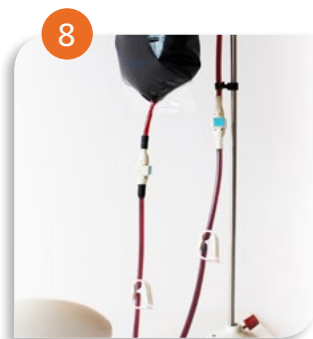
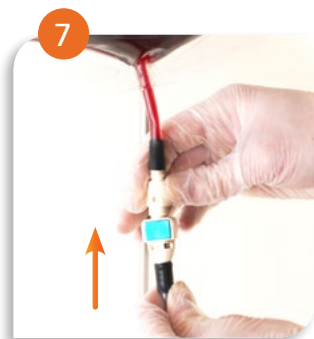
When properly mixed there should be no dark streaks of concentrate visible on the sides or bottom of the Starter Pack.



You may want to use a funnel or to decant the blood into a jug when pouring it into the bag.

Hold the bag lid down with your thumb and carefully pour the blood in. **For safety, leave the bag hooked onto the Stand whilst doing this.**

Close the top of the bag and make sure the lid is sealed.



Connect the black sleeved tube on the Arm to the black sleeved fluid feed on the bottom of the bag.

Connect the other tube on the Arm to the pressure tube attached to the bag lid.

The veins will start to fill. The process takes about a minute.

Ensure that the connectors are level...

... by gently raising or lowering the pressure tube.

When the blood in the pressure tube has settled, check that the level of it matches that of the blood in the bag. If the levels do not match there may be air bubbles in the veins or tubes. Raise the shoulder end of the Arm to allow any trapped bubbles to rise up and into the pressure tube. Tapping the Arm and tubes with your finger will help to dislodge air bubbles.

The product is now ready for use.

Emptying the Blood Bag and Veins



Place the Starter Pack on the floor near the Arm. Check that the Infusion Tube will easily reach from the Starter Pack to the Arm.

Insert the end of the Infusion Tube and push it down to the bottom of the Starter Pack. Leave the tube on the floor.

Note: the Infusion Tube may be cut down to a more suitable length if required.

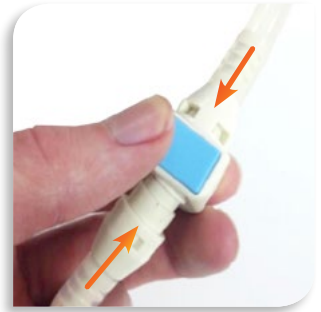
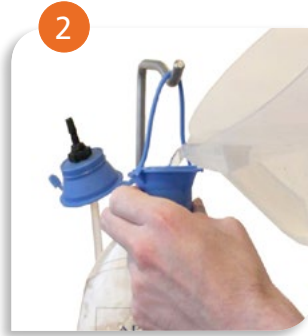
Disconnect the Arm tube from the pressure tube attached to the Bag lid.

Carefully pick up the loose end of Infusion Tube and connect it to the Arm. Make sure that the other end of the Tube is still inside the Starter Pack.

The blood will now drain out into the Starter Pack. This will take several minutes depending upon how much blood is in the Bag.

When all of the blood has drained, carefully remove the Infusion Tube from the Starter Pack and wipe the remaining blood from it. Tap the end of the Tube to dislodge any blood remaining in it.

Cleaning out the Veins



Disconnect the pressure tube (attached to the Bag) from the Arm tube. Put 1 litre of warm water into a jug. Fill a 10ml syringe with Antifungal Agent. Add the 10ml of Antifungal Agent to the jug of warm water

Pour the warm water into the Bag.

Fill the bag to the 1 litre mark

Place the jug on the floor. Put the open end of the Infusion Tube into the jug. Connect the top end of the Infusion Tube to the Arm tube. Make sure that the open end of the Infusion Tube remains in the jug.

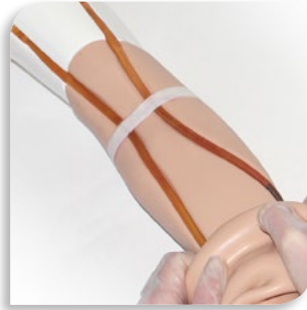
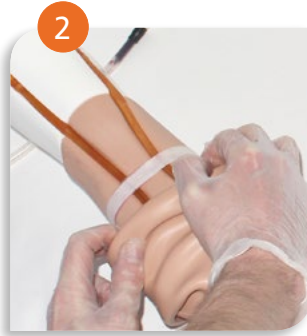


For a more thorough clean, we recommend using one cap (30ml) of Milton Sterilising Fluid which can be carefully added to the water

Antifungal Agent
Milton Sterilising Fluid (500ml)
Product No: **50185**

Once connected, the water will circulate around the arm and drain out from the open end of the Infusion Tube into the jug

Removing the Skin



Using both hands, roll the upper part of the Skin down over onto itself as far as it will go. Do not force the Skin.

Fold the Skin down over onto itself again.

Gently pull the Skin down onto the wrist.

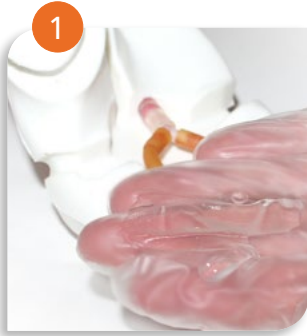
Gently pull the Skin off the wrist and onto the hand. The hand should gradually go floppy as the Skin is worked off the arm.

Once most of the Skin is off the arm, hold the Skin by the upper part...

... and remove it.

Note: If necessary apply a thin layer of washing up liquid to the outside of the Skin. This will enable it to slide over itself.

Fitting the Skin



To make the Skin easier to attach, lubricate the arm with the supplied waterbased lubricant.

Ensure that the hand, forearm and upper arm are well lubricated.

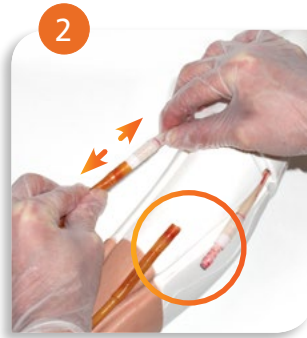
Align the Skin with the underlying anatomy of the arm. Gently work the Skin up the arm.

Pull the fingers onto the hand.

Slide the Skin up to the top of the arm. Ensure that the ridge around the inside engages with groove at the top.

If necessary, slide the Skin around slightly so that it fits the arm anatomy properly.

Changing the Veins



IMPORTANT
Before changing the veins follow the procedures 'Emptying the Blood Bag & Veins' and 'Removing the Skin'.

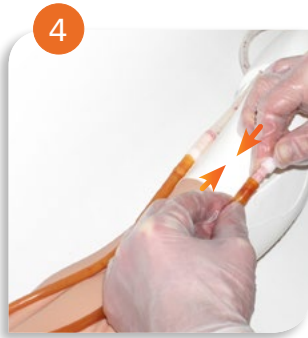
Remove and discard the strips of tape running around the thumb, wrist, and the upper ACF area. (New tape is supplied with the replacement veins).

Disconnect the 2 upper connectors first.

Gently pull the lower connector out of the palm. Hold the transparent tube and pull the Y shaped connector out from it.

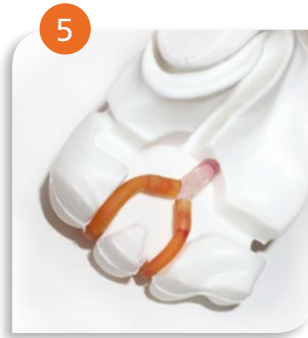
Remove the vein and discard it. Avoid spilling any residual blood left in the veins.

Lay the new vein on the work surface in the correct position (2 veins at the top, small hand veins with Y shaped connector at the bottom).



Attach the top 2 veins and push the transparent tubes back into the arm so that the connectors fit snugly.

Fit the veins into the grooves and wrap the supplied tape around the upper ACF area to hold them in place. Get another person to help you if necessary.



Attach the Y shaped connector and push the transparent tube back into the arm so that the connector fits snugly.

Fit the veins into the grooves of the forearm and tape them in place.

Settle the veins into the grooves correctly. The arm is now ready to have the skin fitted.

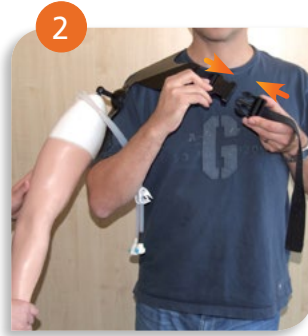
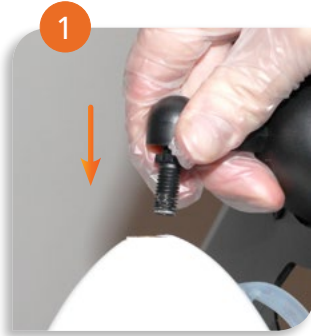


Using the AV Arm Harness (Optional extra)



The AV Arm Harness allows for role playing to be carried out. It is available as an optional accessory.

Product No: 00300



The AV Arm Harness is designed to fit over the right shoulder and upper arm.

The Harness has a mounting point to which the Arm is attached.

Insert the mounting point into the end of the Arm and rotate the Arm until it is screwed fully onto the mounting point.

Get an assistant to support the Arm whilst the Harness is placed over the right shoulder and the chest strap is clipped together and then loosely tightened.

Raise the right arm and securely fix the velcro strap around it.

Hold the Arm and comfortably tighten the chest strap so that the Harness cannot move.

Set up your training scenario.

A good starting point...

Take a look at our
Venepuncture Arms video



Visit the website or YouTube channel

limbsandthings.com

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