

Venipuncture simulator

Technical Datasheet



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DATASHEET

Features

This simulator allows for practicing venipuncture and placement of peripheral venous access.

1. Hyper-realistic tactile sensation during puncture:

You can feel the change in resistance as the needle passes from the dermis to the vein.

When the needle is in the dermis, negative pressure is felt.

As the needle enters the vein, a “pop” sensation is felt along with a change in pressure.

Vein palpation is very realistic, and even a slight collapse can be observed with finger pressure.

2. Hyper-realistic blood flow:

When the IV catheter accesses the vein, simulated blood refluxes. This serves to verify the correct position of the catheter.



3. Unbeatable cost per use:

Allows for 2400+ punctures (tests conducted with a 21 G IV catheter needle).

The skin replacement does not show holes.

The vein is highly resistant, it does not damage or leak.

4. Variety of depth:

It has 2 veins of the same diameter positioned at different depths relative to the surface, to simulate different levels of difficulty in palpation.

5. The procedure can be performed under ultrasound:



Cross-sectional view



Longitudinal view

6. Measurements:

Skin area: 10 x 19 cm

Kit Components

1. Sturdy stand with suction cups to attach to the surface.
2. Protective cover and bottle holder.
3. Skin pad with 2 veins.
4. Bottle, tubing, and drainage bag.
5. Simulated blood.
6. Six skin replacements.
7. Carrying case.



Kit Components

Images



Venipuncture



Catheter Placement