

TruInfant IO Leg User Manual



The TruInfant IO Leg is a realistic task trainer for practicing the skills associated with intraosseous (IO) infusion (tibia), IV cannulation (foot) and intramuscular injections (thigh). This model is based on a 5-month-old infant.

Featuring realistic anatomy including the tibial tuberosity and patella, users can identify the proximal tibia intraosseous needle insertion site. Learners benefit from lifelike resistance when penetrating the medullary cavity or IV cannulation.

The unit is designed to be interchangeable, therefore, the leg can be replaced once it has depleted. Equipped with a system for continual blood flow to the veins for IV cannulation and Intramuscular injection.

Each IO insert is delivered pre-filled with simulated blood so you can begin training immediately.

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Product specifications

Product Code: TINIOLEG2

Full Shipment Weight: 7.5kg

Full Shipment Dimensions: 41 x 26 x 23cm

Package contents

- 1x TruInfant IO Leg ready-to-use (TINIOLEG2)
- 40x IO Tibias (TINIO20 – sold in packs of 20)
- 60x Tibia pins long
- 60x Tibia pins short
- 1x IV bag stand
- 2x IV bags
- 1x Luer lock syringe
- 1x 250ml Concentrated blood (CVB250)
- 1x Carrier case

Recommended equipment sizes

- Size 18G needle (IO Tibia)
- Size 24G needle (IV & IM)

Please ensure to strictly follow the above recommendations. Any damage caused to the model outside of these recommendations may void your warranty.

Preparation

1. Once the contents of the unit have been removed from the bag. Attach the tubing to the arm and hang up the IV bags on the stand.
2. Mix an appropriate concentration of artificial blood as indicated on the bottle's instructions (ratio of blood to water is 1:9). Distilled water can be used as a substitute for blood if desired.

3. Fill a luer lock syringe. This will fill the veins for IV cannulation.
4. Ensure the second stopcock with the tubing attached to the unit is 'closed'.
5. Attach the luer lock syringe to the first stopcock on the IV bag. Open the first stopcock and slowly insert the fluid from the syringe. Repeat until you have approx. 100ml in the IV bag. Do not exceed 200ml in the whole system if refilling mid-session.
6. Once the IV bag is filled with fluid, close the first stopcock and detach the syringe.
7. Open the second stopcock which attaches to the unit on both IV bags. to allow fluid to fill the unit.
8. Set up is complete and the unit is ready to use. See recommended equipment sizes above to ensure the unit is used accordingly. Using incorrect equipment may void the warranty period on the unit.

Replacement of parts

IO Inserts

The IO inserts are designed to be replaced after up to 5 uses to provide the user with a unique training experience

1. Fold back the skin at the edge of the insert and remove the white pins at the top and bottom of the insert:
2. Remove the used IO insert from the leg and discard
3. Align the new IO insert into position and re-insert the pins

Baby Leg

1. The leg should be replaced if you are experiencing large amounts of leakage due to the number of needle penetrations exceeding 250+. Speak with the sales team to purchase replacement legs.
2. To detach, ensure the unit has been drained accordingly, detach the leg tubing from the IV bag tubing and simply turn the leg anti-clockwise to release it from the unit.

3. To attach the new leg, align the leg with the base and twist it clockwise to secure the leg then reattach the leg tubing to the IV bag tubing. Fill according to the instructions in the 'Preparation' section.

Fluid Removal

1. Close all stopcocks on both IV bags
2. Detach the limb tubing from the first IV bag.
3. Fill a syringe with air and attached to the loose limb tubing.
4. Open the stopcock on the second IV bag that has the second limb tubing connected.
5. Slowly push air through the system to drain all fluid into the second IV bag.
6. Once you are content that all fluid has been flushed out of the system and into the second IV bag, close the stopcock on the second IV bag to lock in the fluid.
7. Dispose of the fluid appropriately by opening the stopcock on the second IV bag.
8. We recommend flushing the system with a Milton / Sterilising solution to avoid mould build up. (See Care & Maintenance, pg. 4)

Care and Maintenance

The model should be treated with care, as though it is a real-life clinical environment. When the product is not in use, please store in the black carrier case provided.

To deter the growth of mould in the system, we recommend flushing the system after every use with a sterilising fluid (such as Milton solution) and water solution.

Store in clean, dry conditions away from heat and direct sunlight; avoid contact with metals, solvents, oils or greases and strong detergents.

Mild detergents or enzymatic cleaning agents may be used on the airway in accordance with the manufacturer's instructions and at the proper dilution. The detergent must not contain skin or mucous membrane irritants.

*Please **do not** use any of the following when cleaning the product:*

- Germicides, disinfectants, or chemical agents such as glutaraldehyde (e.g. Cidex®),
- Ethylene oxide, phenol-based cleaners, or iodine-containing cleaners

In response to the recent COVID-19 pandemic, we recommend this additional step to ensure the product is fully sanitised:

Use alcohol spray (minimum 75%) and wipe off. Repeat this for 3-4 times to ensure to kill the virus completely. This method can be used on both the silicone skin and the latex airway.

Warranty

TruCorp warrants this product to be free from defects in materials and workmanship, ensuring satisfactory performance for a period of one year from the date of delivery. This warranty provides customers with maximum coverage for each unit.

If a product malfunctions and is confirmed to be defective under warranty, TruCorp will repair or replace it at no cost. However, the warranty is void if the unit shows signs of tampering, excessive heat exposure, damage from sharp instruments, improper use, or any conditions beyond TruCorp's control. Consumable items such as wrap-around neck skins and larynx inserts are not covered under warranty and will not be replaced. Damage resulting from misuse is not covered and may incur additional charges.

For full terms and conditions, visit: [TruCorp Warranty Policy](#)

Please direct all warranty and repair inquiries to:



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