



# RediStik®

## *Wearable* **Port Trainer Kit**

*Designed by frontline innovators at*



**Texas Children's  
Hospital®**

*in collaboration with*



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Visit [sawbones.com](https://www.sawbones.com) for more information, including set-up videos and skills overview.

## I. ABOUT THE RediStik® WEARABLE PORT TRAINER KIT

### THIS TRAINER FEATURES:

- Textured skin and subcutaneous tissue provide the ability to practice:
  - Sterile skin preparation techniques with CHG application
  - Life-like palpation and puncture of the titanium port
  - Confirmation of needle placement with blood aspiration and ability to flush saline
  - Dressing application
- Includes simulation options for **superficial, normal, deep, angled, and float** port positioning depths
- Versatile model allows for both tabletop and wearable simulation scenarios
- The design includes needle-proof backing and attached shoulder harness system allowing for quick securement to a person's or mannequin's chest
- Angiodynamics® Medium Titanium Smart Port option included in the kit
- **Clinical testing demonstrated life expectancy for removable skin averages 1,200+ punctures**

## 2. PORT TRAINER DEFINITIONS

**Needle syringe** – 10cc lure lock syringe connected to a non-coring port needle

**Port reservoir syringe** – 10cc lure lock syringe connected to the Titanium Port – serves as blood reservoir.

**Shoulder harness** – Place onto shoulder of a person or mannequin and tighten as needed. The harness strap has an elastic loop that holds the 10cc syringe connected to the port line

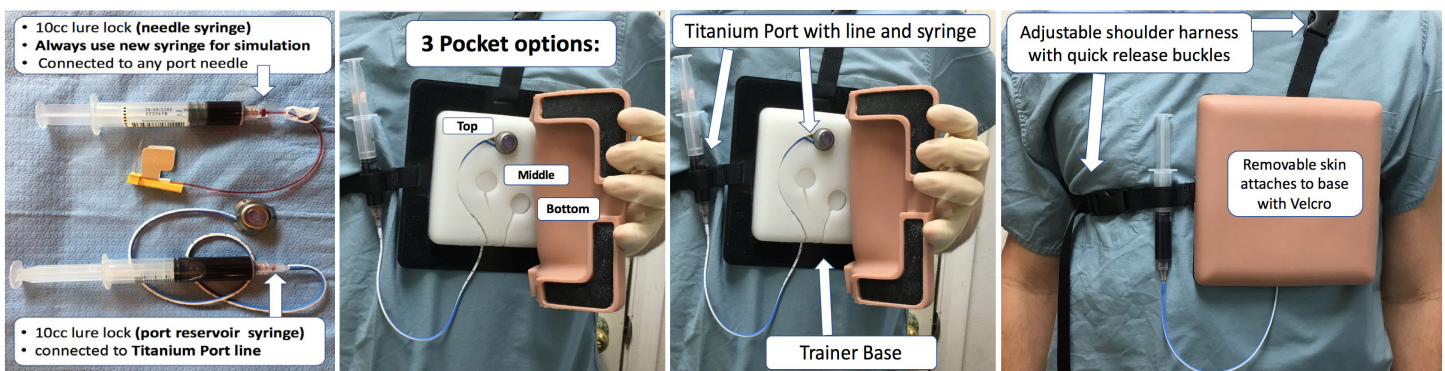
**Trainer base** – Needle-proof backing, attached shoulder harness

**Port pocket** – 3 port location options in trainer base

**Puck** – Colored silicone wafers used to adjust the port depths and also fill in port pockets not being used

**Port simulation options** – superficial, angled, deep, level and float

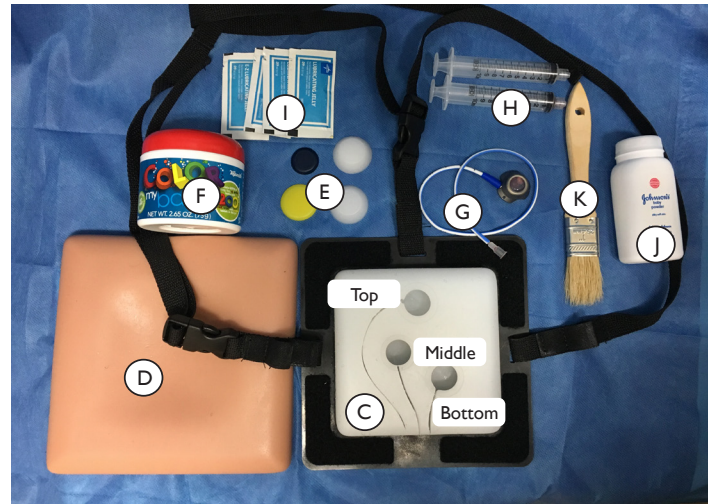
**Removable skin** – easily attaches to trainer base by Velcro. Rotating the removable skin will provide a life expectancy of 1,200+ punctures



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### 3. PARTS OVERVIEW

- A. Zippered storage bag for the kit (not in picture)
- B. Instructions (not in picture)
- C. Wearable port trainer base with attached shoulder harness
- D. Removable skin
- E. Pucks: two spacer pucks (yellow and blue), two white filler pucks
- F. Simulation blood (Color tabs)
- G. Titanium Smart Port by Angiodynamics
- H. Two (2) lure lock 10cc syringes
- I. Lubricating jelly (4 packets)
- J. Baby powder
- K. Brush

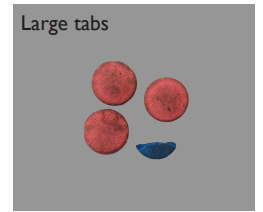


### 4. SET-UP, PORT ADJUSTMENT AND TIPS

**Set-up** (refer to page 4 for additional port set-up options)

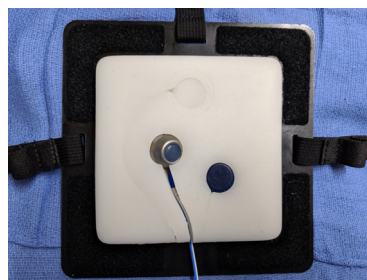
• **Create simulation blood (small or large tabs are provided in the kit):**

- a. Small tabs: mix 50 ml water + 12 red tabs + 7 yellow tabs + 1 blue tab
- b. Large tabs: mix 50 ml water + 1 red tab + 1 yellow tab + 1/8th blue tab

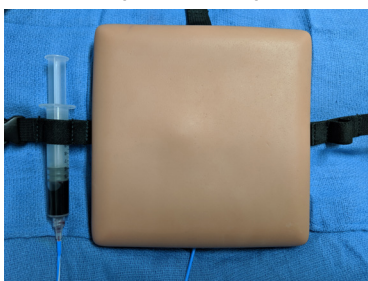


• **Adjusting Port Position Steps: Example “Angled Port” position middle pocket**

1. Fold yellow puck in half and place in pocket.
2. Place port in pocket angled sitting halfway on yellow folded puck.



3. Ensure extra spacer (blue) and white filler pucks are stored in the other pockets.
4. Attached skin to trainer base.
5. Draw up 5 cc simulation of blood into port reservoir syringe and place in elastic securement loop.
6. Attach port line to port reservoir syringe.



7. You are ready to access the port. (First time port access will require air aspiration).

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## Port Adjustment Steps Chart:

Float port option available top and bottom pocket: Place lubricating jelly (dime size amount) on bottom of Titanium Port.

### TOP PORT POCKET

Superficial	Level
<ul style="list-style-type: none"><li>• Place yellow puck in pocket</li><li>• Place blue puck</li><li>• Place port</li><li>• Cover with skin</li></ul>	<ul style="list-style-type: none"><li>• Place port in pocket</li><li>• Cover with skin</li></ul>

### MIDDLE PORT POCKET

Superficial	Level	Angled	Deep (Use 1" port needle)
<ul style="list-style-type: none"><li>• Place yellow puck in pocket</li><li>• Place blue puck</li><li>• Place port</li><li>• Cover with skin</li></ul>	<ul style="list-style-type: none"><li>• Place yellow puck in pocket</li><li>• Place port</li><li>• Cover with skin</li></ul>	<ul style="list-style-type: none"><li>• Fold yellow puck in half and place in pocket towards one side</li><li>• Place port at an angle</li><li>• Cover angled port with skin</li></ul>	<ul style="list-style-type: none"><li>• Place port in pocket</li><li>• Place blue puck</li><li>• Cover with skin</li></ul>

### BOTTOM PORT POCKET

Superficial	Level	Deep (Use 1" port needle)
<ul style="list-style-type: none"><li>• Place yellow puck in pocket</li><li>• Place blue puck</li><li>• Place port</li><li>• Cover with skin</li></ul>	<ul style="list-style-type: none"><li>• Place yellow puck in pocket</li><li>• Place port</li><li>• Cover with skin</li></ul>	<ul style="list-style-type: none"><li>• Place port in pocket</li><li>• Place blue puck</li><li>• Cover with skin</li></ul>

## Helpful Tips:

- Always keep unused spacer pucks (yellow/blue) and the filler pucks (white) inside the port pockets.
- Float port option available top and bottom pocket: Place lubricating jelly (dime size amount) on bottom of titanium port.
- Keep port reservoir syringe secured in elastic on the shoulder harness.
- The port reservoir syringe will move with drawing back or flushing from the needle syringe. If port reservoir syringe sticks, first attempt to push/pull plunger. If no improvement, change syringe.
- When reusing port needles for training, avoid using bent needle tips as this will create larger punctures through the skin/titanium port.
- Dressing will stick better if baby powder is applied before starting the simulation.

## 5. CARE INSTRUCTIONS

### How to care for the RediStik® Wearable Port Trainer

- **Skin care** - Brush on baby powder (provided in kit) prior to simulation, after cleaning and if skin feels tacky.
  - Dressing application on trainer skin:
    - May apply dressing and can leave on in storage without leaving residue. Dressing will stick better if baby powder is applied before starting the simulation. Applying CHG, alcohol, and Cavilon® is appropriate and helps dressing adhere to the skin.
- May leave **simulated blood** (provided in kit) in syringe/port when not in use. Occasionally flush saline through **Angiodynamics®** Titanium Smart Port to remove debris.
- **Port Reservoir Syringe** - If port reservoir syringe sticks, first attempt to push/pull plunger. If no improvement, change syringe.
- **Needles** - recommend any 3/4 inch and 1" non-coring port-approved needle.
  - Apheresis needles will work with the model.
  - When reusing port needles for training, avoid using bent needle tips as this will create larger punctures through the skin.

## 6. CONTACT AND REORDER INFORMATION:

Contact: [texaschildrens.org/redistik](http://texaschildrens.org/redistik)

Reorder: visit [sawbones.com](http://sawbones.com)

**Sawbones Customer Service USA** (servicing North America, South America, Asia and Australia):

(206) 463-5551 / [info@sawbones.com](mailto:info@sawbones.com), 6 am – 5 pm, PT

**Sawbones Customer Service EMEA** (servicing Europe, Middle East and Africa):

+46 40 650 7000 / [info@sawbones.se](mailto:info@sawbones.se), 8 am – 5 pm, CET

• **Port Trainer** (with Titanium Port): Part Number **I703-501-10**

• **Port Trainer** (No Titanium Port): Part Number **I703-501**

For Texas Children's orders, please order via PeopleSoft and reference:

• **Port Trainer** (No Titanium Port): Item # **I33534**.



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