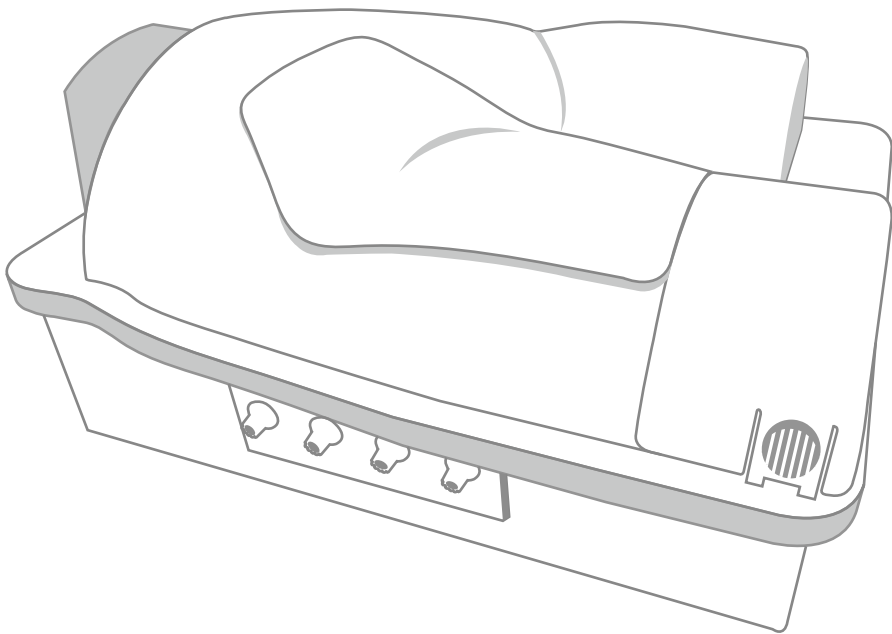


BT-CSPF

Femoral Artery Puncture Training Model

USER GUIDE



Product Information

Product Name	Femoral Artery Puncture Training Model
Model Name	BT-CSPF
Manufacturer	BT Inc.
Country of Origin	Republic of Korea
Certification	 

Product Specification

Dimensions	385 X 470 X 240mm
Weight	11 kg
Power Converter	Input AC100-240V~, 50/60Hz, 2.5A Output DC 16.8V, 5A (Operation temperature : 0°C ~ 40°C)

Customer Service

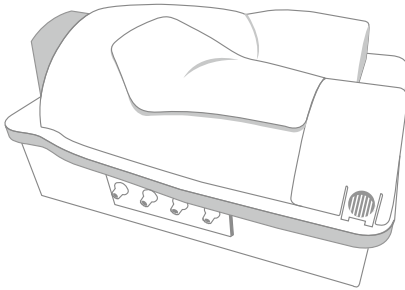
Website	www.btinc.co.kr
Address	A-313, Samsung Techno-valley, 140, Tongil-ro Deogyang-Gu, Goyang-Si, Gyeonggi-do, 10594, Republic of Korea
Telephone	+82-2-2038-2903
E-mail	bt@btinc.co.kr

Cautions

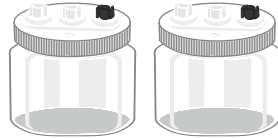
Please read it carefully to ensure correct usage and user's safety through understanding of the product.

- ① Use only components provide or approved by BT Inc.
- ② Do not use the product for other purposes described in this manual.
- ③ If you disassemble or modify the product without any permission by BT Inc, you cannot get the warranty. Also, making imitated or altered products for commercial purposes are prohibited by law.
- ④ During the usage, please contact us after any electricity power off when the product is overheated or smelled something burning.
- ⑤ Keep the product away form water or moisture. If the product gets wet, do not turn it on.
- ⑥ Do not use the product near strong magnetic fields or high voltage power lines.
The product might malfunction due to the electromagnetic waves.
- ⑦ Do not use the product under a weather of lightning. It can cause the product malfunction and increases the risk of electric shock.
- ⑧ Do not use the product with temperatures below 0°C or above 40°C.
(Operation temperature : 0°C ~ 40°C, Storage temperature : -10°C ~ 50°C)
- ⑨ Do not keep the product near hot places such as heaters. Deterioration of product or internal damage might occur.
- ⑩ Never clean the product with chemical substances such as solvent, benzene or thinner, as these may Cause ignition or cause the surface deterioration.
- ⑪ BT Inc. can change or adjust the product specification without any notice in order to improve the product.

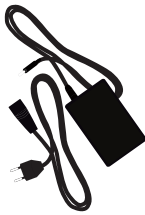
Components



Adult femoral model (with Injection pad)



Blood supply container



Power adapter



Simulated blood



100 mL Beaker

* etc. - Storage bag

Consumables

- Injection Pad
- Simulated blood

Recommended Clinical Supply Sizes

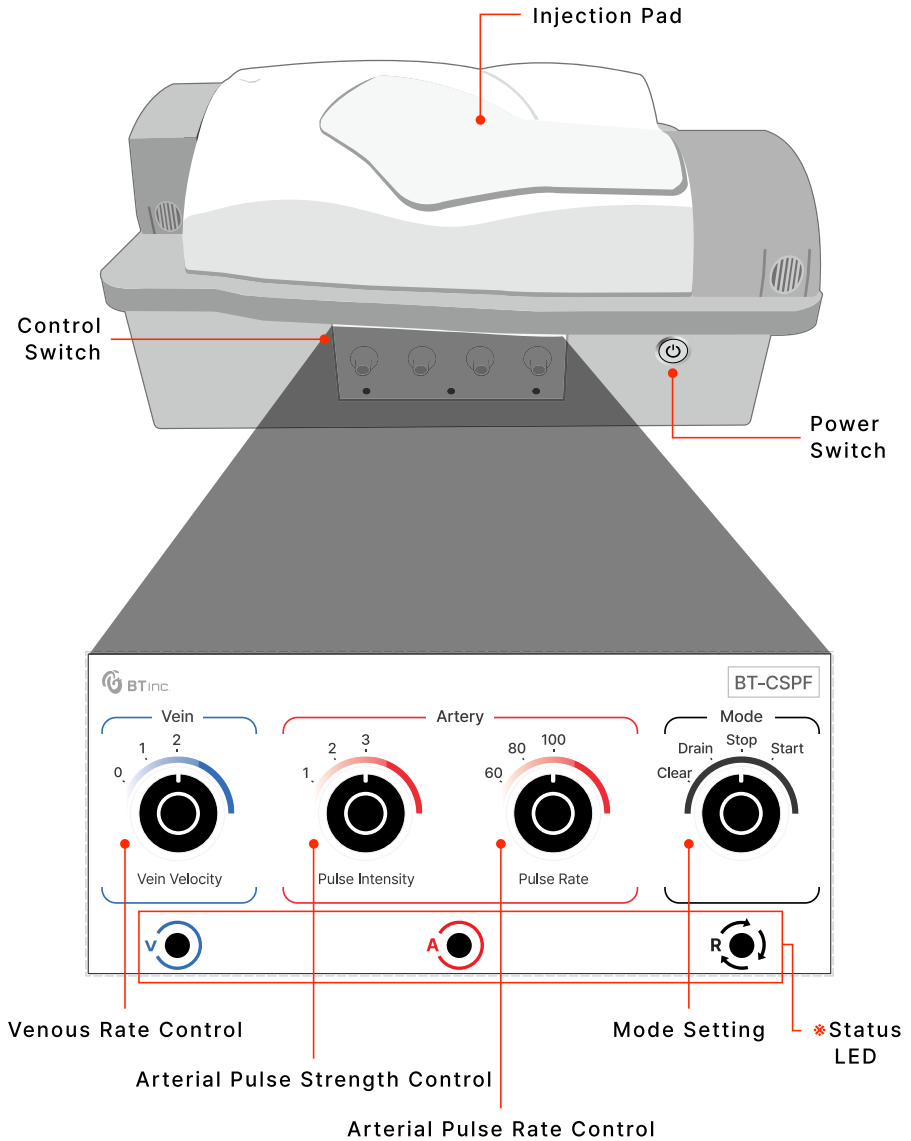
Needle

1cc~3cc, 23G

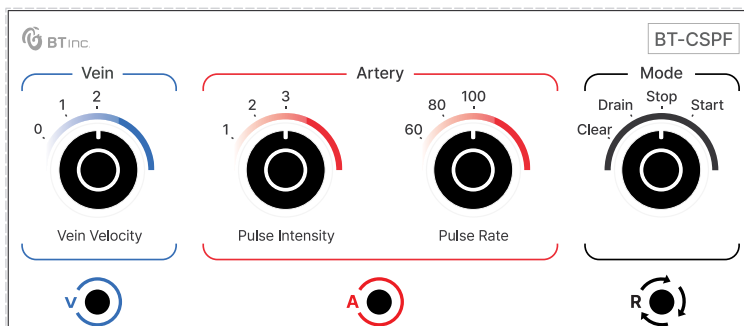
- The following clinical supply sizes are recommended for use with our Femoral Artery Puncture Training Model.
- Other sizes may cause damage to the products.
- Lifetime of the consumables may differ depending on the skill level of the users.

Features

<Front>

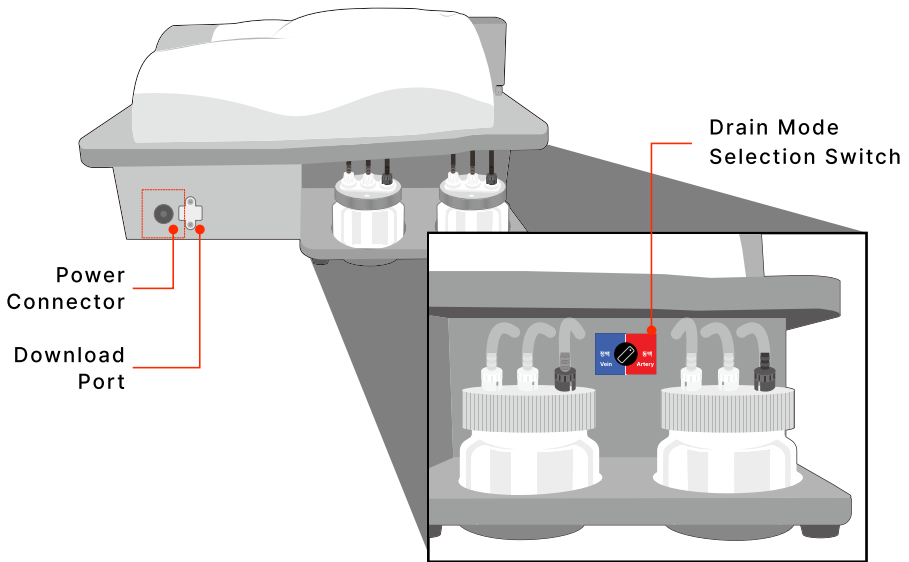


<✳Detailed Explanation of the Status LED>

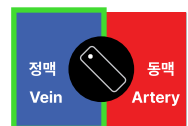


Device Status	Status Lamp	Lamp Operation
Power Switch ON	All Red ► Green ► Blue ► Off	 ►  ►  ► 
Stop Mode	All Off	
Start Mode	All Green flashing rapidly(for 15 seconds), then Blue on(Pump Operating)	 ► 
Drain Mode	All Green flashing slowly	
Clear Mode	All Green on	
Venous Rate Control(0)	Venous LED off	
Venous Rate Control(1, 2)	Venous LED Blue on	
Arterial Pulse Rate Control (60, 80, 100)	Arterial LED blinking Blue in sync with pulse rate	
Recovery Pump Operation	Recovery LED Blue on	
Power Issue (Please Verify Rated Power Supply)	All Red on	

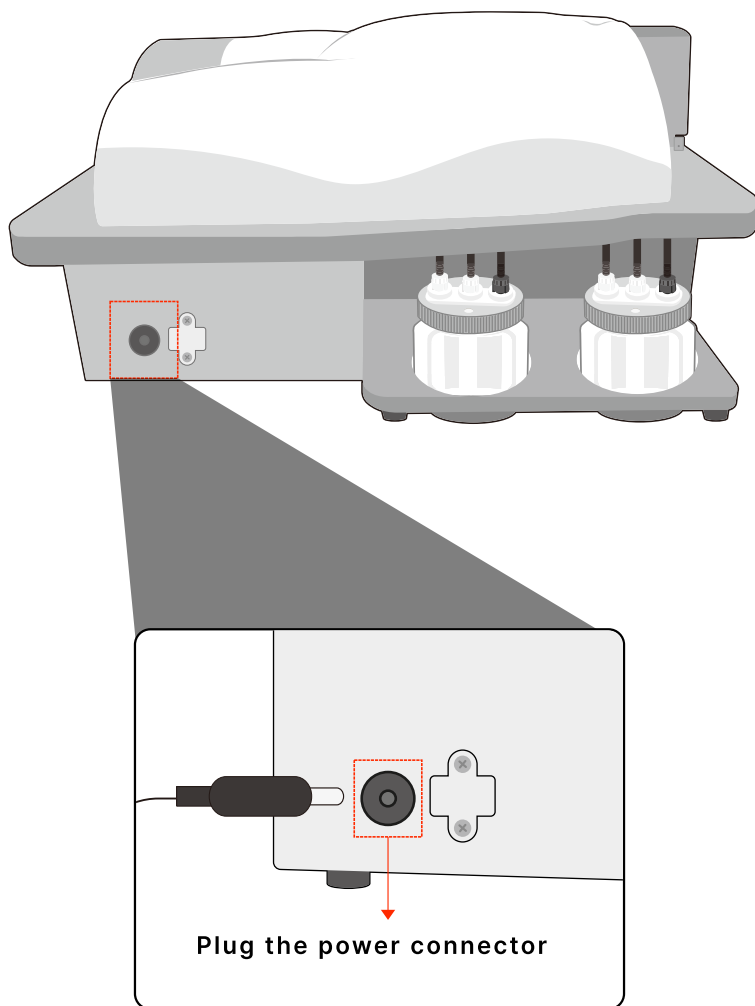
<Back>



- This training model is a Femoral Artery Puncture Training Model.
- When performing **arterial puncture practice**, please set the drain mode selection switch to the "Artery" position.
- After the procedure, the leaked blood solution is collected only in the **arterial** blood container.
- When performing **venous access practice**, please set the drain mode selection switch to the "Vein" position before use.
- After the procedure, the leaked blood solution is collected only in the **venous** blood container.



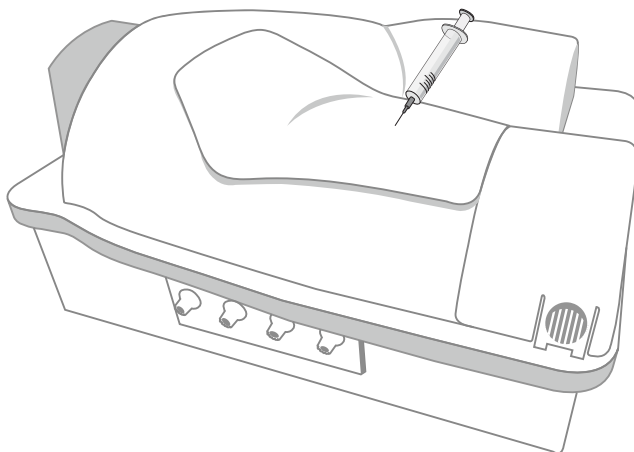
Power Connections



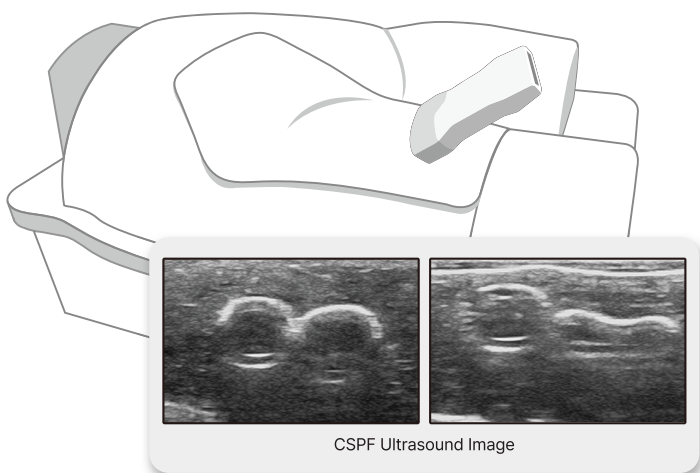
* Please use the provided rated power adapter for the power supply.

Functions

<Injection training>

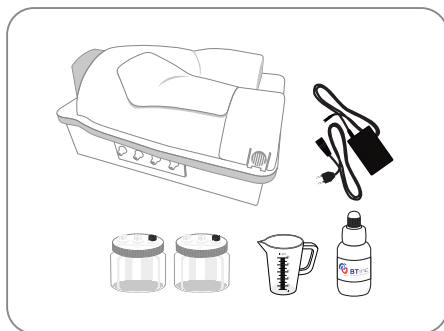


<Ultrasound training>

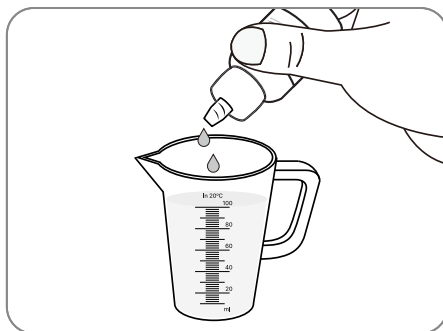


Installation

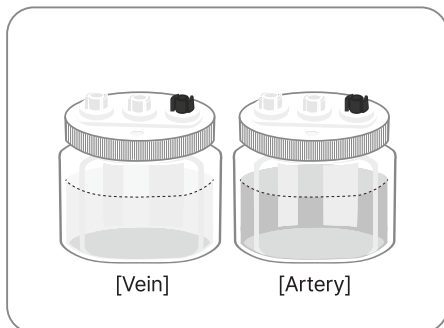
(1) Installation of product



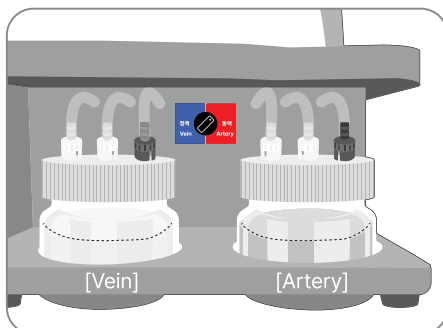
- ① Femoral Model, Two Blood Containers, Power Adapter (16.8V, 5A), Simulated Blood, 100ml Beaker



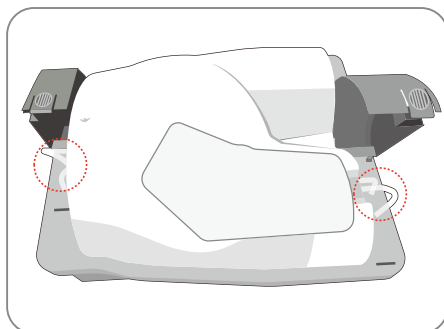
- ② Mix 3 to 5 drops of simulated blood into 100ml of water.



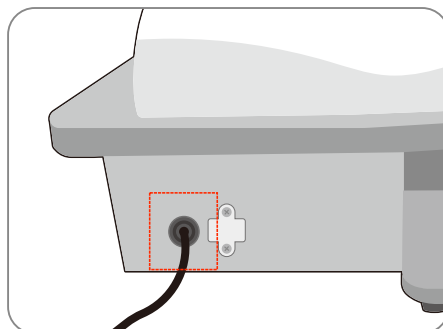
- ③ Fill each of the two blood containers with 100ml of solution (water).



- ④ Insert the blood containers according to the designated positions, then connect the connectors.



- ⑤ **Open the injection pad cover to check that the connectors are properly connected, then close the cover. (Important)**

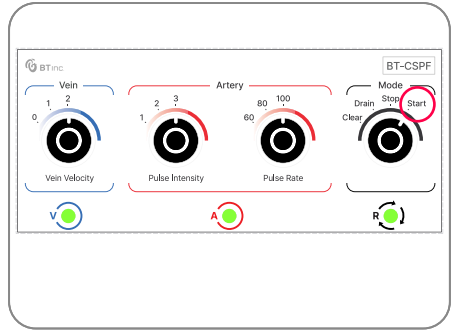


- ⑥ Connect the power adapter.

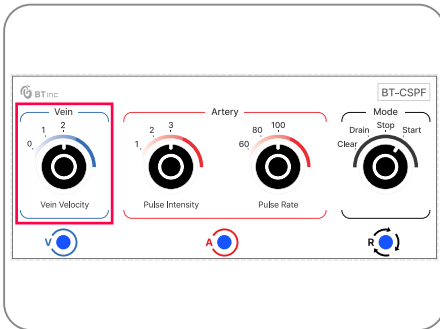
(2) Operation



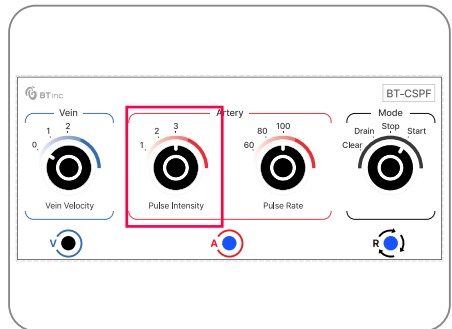
- ⑦ Turn on the power switch.



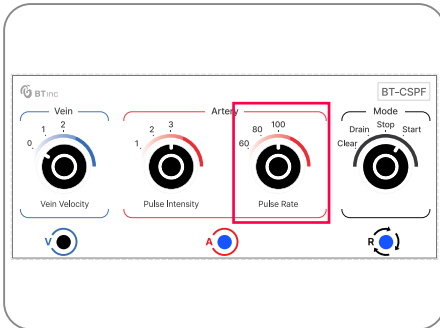
- ⑧ Set the mode switch to the Start position.
* It will operate rapidly for 15 seconds to fill the blood.



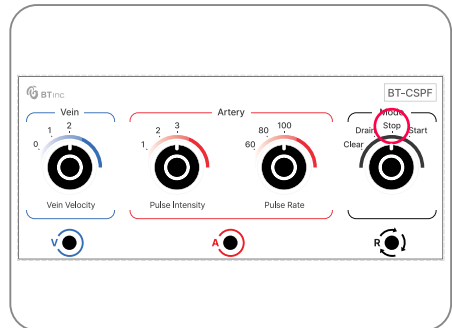
- ⑨ Set the venous velocity control switch (Vein Velocity) to the desired position.
(0 (Stop), 1, 2 — a total of 3 levels)



- ⑩ Set the arterial pulse intensity control switch (Pulse Intensity) to the desired position.
(1, 2, 3 — a total of 3 levels)

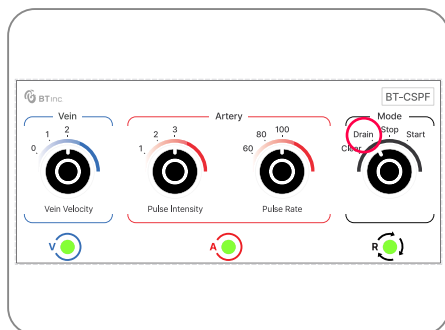


- ⑪ Set the arterial pulse rate control switch (Pulse Rate) to the desired position.
(60, 80, 100 bpm — a total of 3 levels)

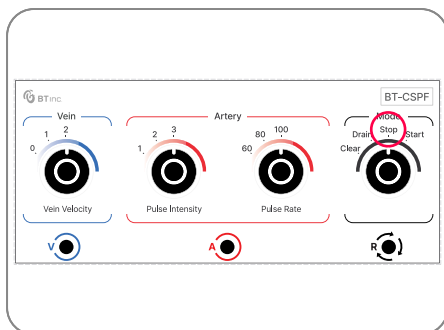


- ⑫ To stop the operation, set the Mode switch to the Stop position.

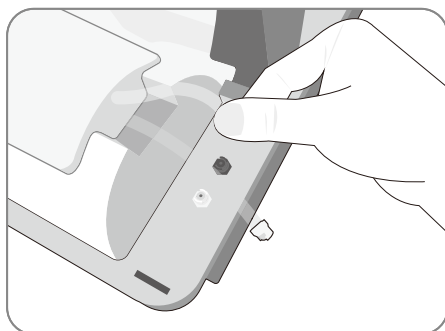
Injection Pad Replacement



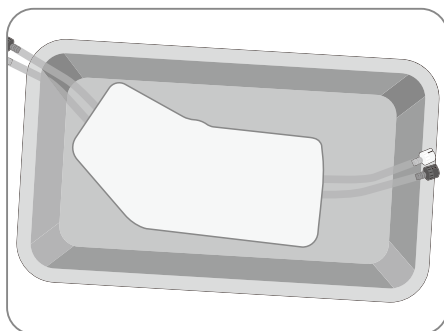
- ① Set the Mode switch to the Drain position.
(Internal blood recovery)



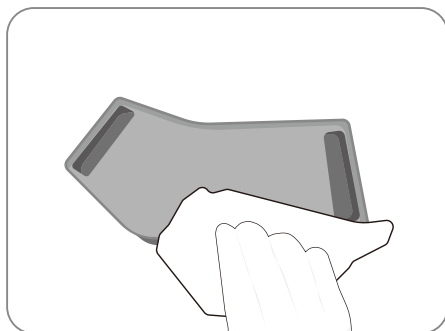
- ② After a certain period (20–30 seconds), set the Mode switch to the Stop position.



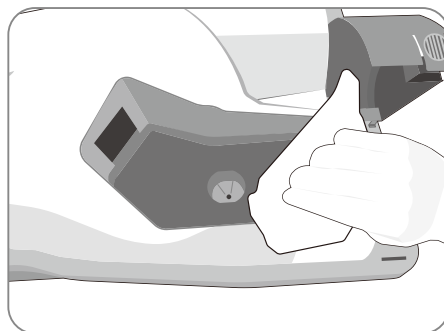
- ③ Open the injection pad cover and disconnect the connectors.



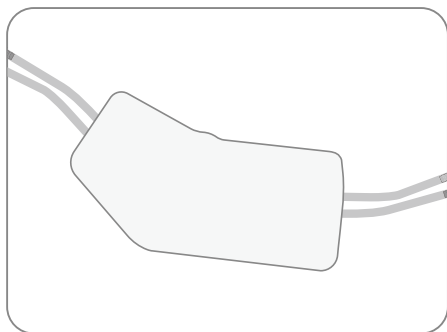
- ④ To prevent solution from leaking, gently remove the injection pad while holding it over a tray or similar surface.



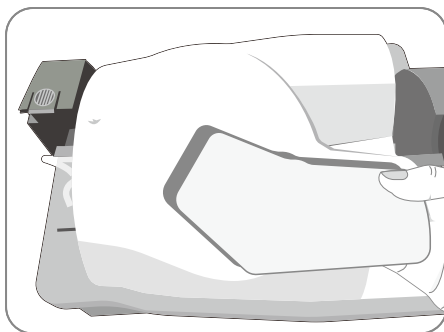
- ⑤ Remove contaminants from the injection pad holder with a dry tissue.



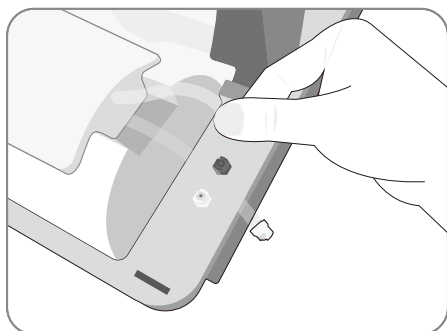
- ⑥ After removing contaminants under the injection pad holder with a dry tissue, reattach the injection pad holder.



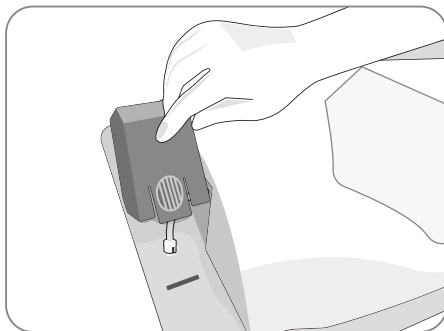
⑦ Prepare a new injection pad.



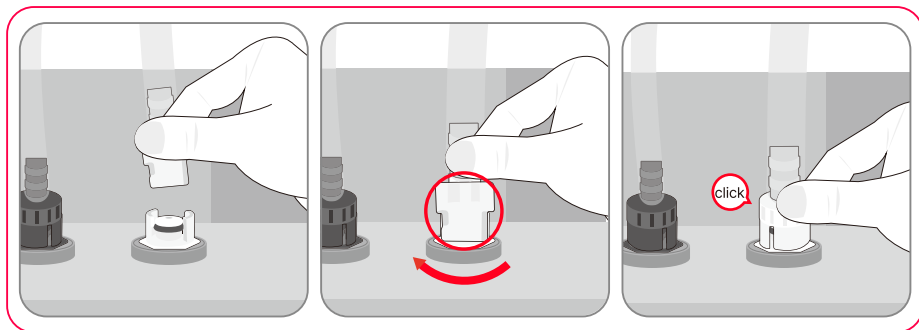
⑧ Attach the upper tube into the groove, then align and install the injection pad onto the



⑨ Connect the connectors according to the matching colors.

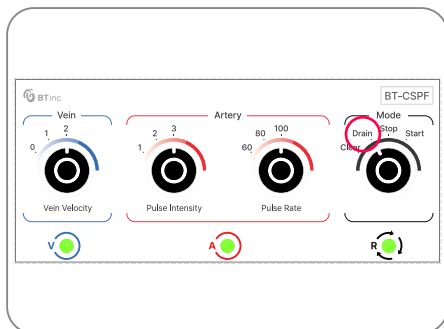


⑩ Close the injection pad cover.

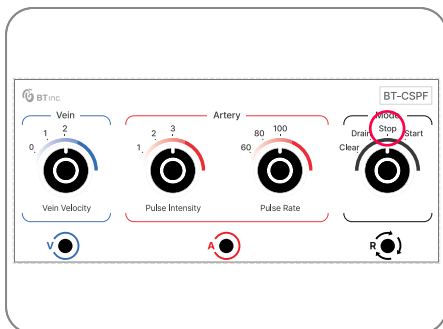


*** Important: All connectors must be securely connected until a 'click' sound is heard.
Before practice, please make sure to check that
all connectors are properly connected before use.**

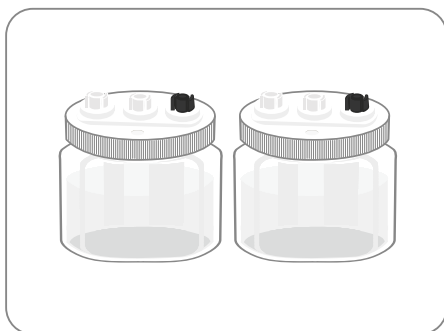
Cleaning and Storage



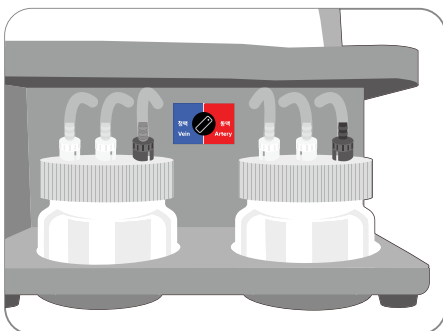
- ① Set the Mode Switch to the Drain Position.
(Internal Blood Recovery)



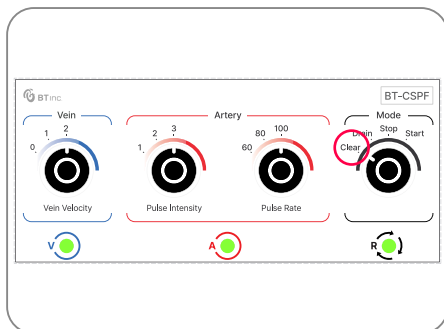
- ② After a certain period (20–30 seconds), set the Mode Switch to the Stop Position.



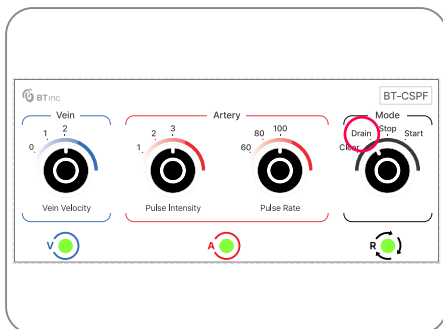
- ③ Remove the two blood containers, clean them, and refill with clean water.



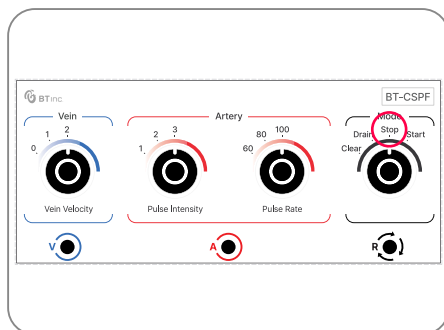
- ④ Install the two blood containers.



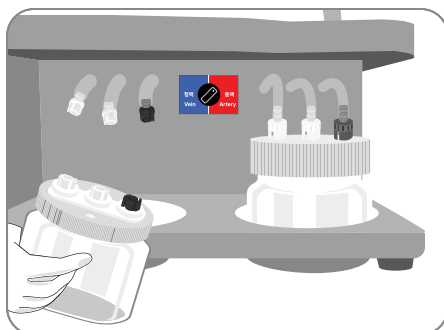
- ⑤ Set the Mode Switch to the Clear position.



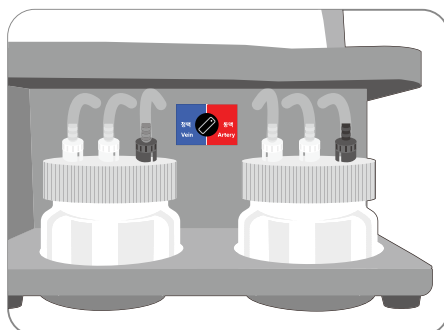
- ⑥ After a certain period (20–30 seconds), set the Mode Switch to the Drain position.
(Internal blood recovery after cleaning)



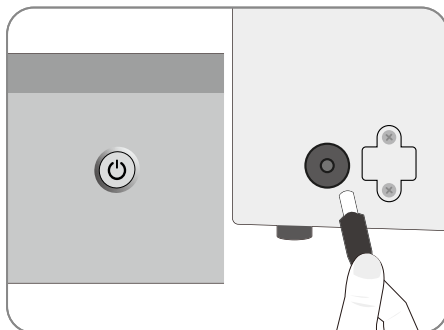
- ⑦ After a certain period (20–30 seconds), set the Mode Switch to the Stop position.
 * Repeat steps 3 to 7 two to three times.



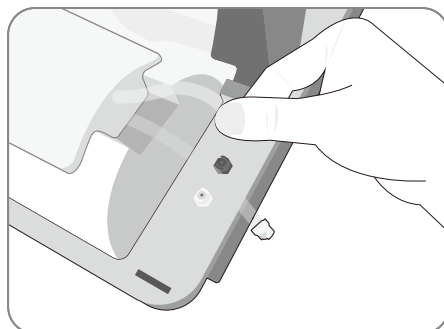
- ⑧ Remove the blood containers and clean them.



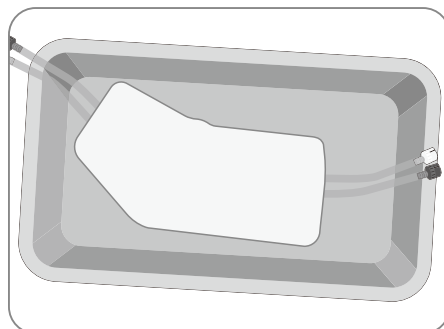
- ⑨ Install the two cleaned blood containers.



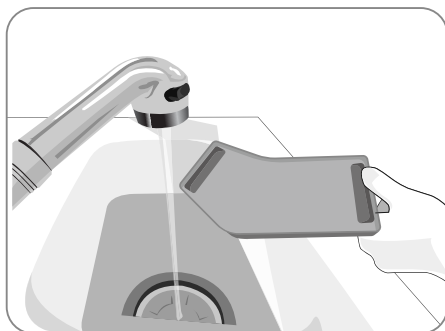
- ⑩ After turning the power switch OFF, disconnect the power adapter.



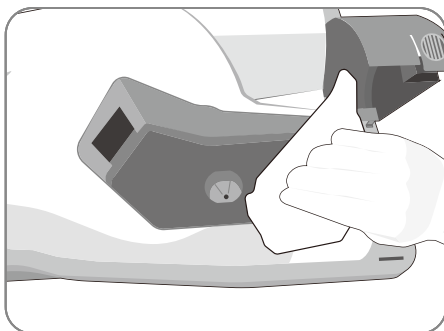
- ⑪ Open the injection pad cover and disconnect the connectors.



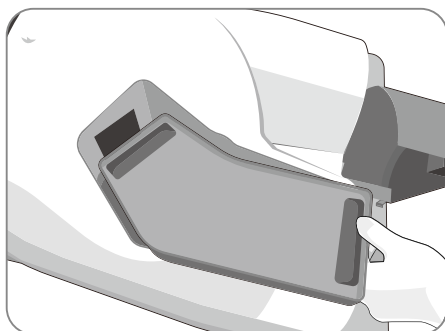
- ⑫ To prevent solution from leaking, gently remove the injection pad while holding it over a tray or similar surface.



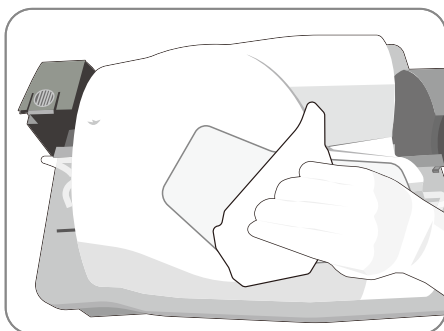
13 Remove the injection pad holder and clean it.



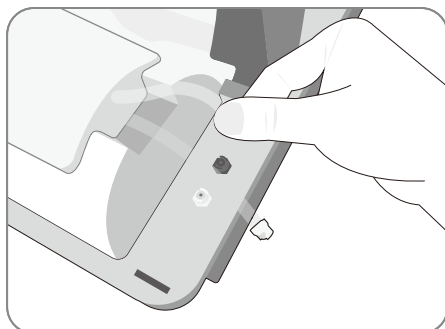
14 Wipe away any spilled water or blood around the area with a dry tissue.



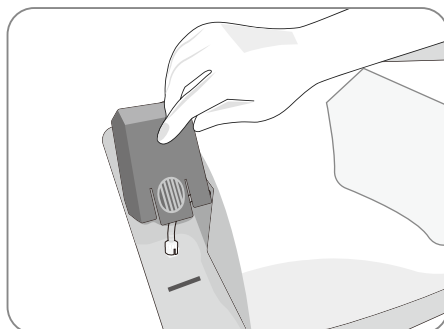
15 After drying the injection pad holder, reattach it.



16 Install a new injection pad or the one currently in use.



17 Connect the connectors according to the matching colors.



18 Close the injection pad cover and store it in the designated storage area.

BT-CSPF

Femoral Artery Puncture Training Model

A-313, Samsung Techno-valley, 140, Tongil-ro,
Deogyang-gu, Goyang-si, Gyeonggi-do, 10594, Republic of Korea

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