

# Blood Transfer and Flush Set BTF-HM-3 (SAMMI Set)

## Application Overview

### Description....Function and Clinical Benefit:

The BTF set is a single use, point of care access device for the purpose of blood management and conservation while providing improved infection control for the blood draw technique for any Central Line blood draw.

In use the BTF set is attached to a single (closed port) access point in the vascular access line or catheter only when a blood draw is required. The ideal access point is a luer activated valve attached or integrated to the side port of an in line stopcock, or directly to a valve attached to an indwelling catheter hub. Any luer access point to catheter or line can be used. The blood draw procedure is then performed in a completely closed procedure at the access point with only 1 access to the line.

Waste/clearance, sample, full return of waste (optional) and pre and post-flushing of the line and catheter is done using syringes attached to the single use disposable BTF set. During the entire blood draw procedure the set is never open to atmosphere thereby providing a closed system in use. The Vacutainer System can also be used.

After the blood draw and flush, the BTF set is then disconnected from the line and discarded as a single use device.

The residual blood volume in the set discarded after use is negligible (less than 0.3mL), with return of the waste/clearance, which contributes to improved blood management and conservation in critically ill patients. Since the entire procedure is done with only a single access to the line or catheter and the procedure is performed in a completely closed fashion, the blood draw technique as well as infection risk is subsequently improved through standardization of the procedure.

The use of the Blood Transfer and Flush set requires no add on or add in set to the line or catheter for function, has no impact on wave form in arterial lines except during the blood draw procedure and requires no additional nursing time when line change and setup is performed. It can also be used in any circumstance where a blood draw is needed from an arterial or venous placed catheter where line access or direct catheter access is available and an in-line blood draw system is not feasible. (ie. PICC Catheters, Central Lines, Femoral Lines, IJ Catheters, Ports, Peripheral Lines: in ICU, PICU, Med-Surg, Specialty Floors (Oncology and Cardio Pulmonary), ER, Outpatient Infusion areas)