**Purpose:**

This procedure provides instructions for the use of Portable Blood Refrigerators in the Harborview Medical Center (HMC) Transfusion Service (TS) operations.

**Procedure:**

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|  | **Action** | **Related Documents** |
| **1.** | * When portable refrigerators are requested for use by a patient care area. .
* TS staff will deliver and return PBR to and from the patient care area.
* Plug the PBR into Emergency Power outlet immediately upon arriving in the patient care area. (Must be within 15 minutes of leaving Transfusion Service)
* Document on the Portable Refrigerator Log, and on the whiteboard in the Transfusion Service.
 | * + Portable Refrigerator Log
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| **2.** | * When stocking and dispensing blood to a PBR:
* Confirm the PBR is operational
* Temperature is 1-6°C
* Compressor is running
* Graph is recording
* Place blood products directly on the top shelf of the refrigerator.
* Stock only ONE patient’s blood per PBR.
* Do NOT refrigerate platelets or cryoprecipitate.
* Remain with the PBR until released by the Physician or charge nurse once the patient has stabilized.
* Do NOT leave a PBR unattended with Blood Products inside unless products are issued to a nurse using Blood Products Release Form.
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| **3** | * When issuing blood products from the PBR:
* Record date and time of issue on appropriate log
* Record unit number issued on appropriate log.
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| **4.** | * When issuing products in the BPR to a nurse because the BPR has been requested at the bedside:
* Fill out the Blood Product Release Form, and issue the products to the nurse caring for the patient before leaving the BPR in the patient care area.
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| **5.** | * If the patient is transferred to another location and still requires the BPR:
* Transfer the BPR.
* Notify TS staff of new location so they can update the log and whiteboard.
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|  | **Action** | **Related Documents** |
| **6.** | * When returning the PBR to the Transfusion Service:
* Complete the Returned Section of the PBR log.
* Verify that the temperature graph is recording.
* Return any unused blood products to the appropriate storage area. If the products were issued in Sunquest, return them using Blood Status Update.
* Complete Blood Product Issue for transfused products.
* Clean both the exterior and interior surfaces of the PBR with a disinfectant solution designated for use on stainless steel.
* Document on the Portable Refrigerator Cleaning Log
* Plug into Emergency Power outlet.
 | * + Blood Status Update.
	+ Blood Product Issue
	+ Portable Refrigerator Cleaning Log Form
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**References:**

AABB Standards for Blood Banks and Transfusion Services, Current Edition.

AABB Technical Manual, Current Edition.