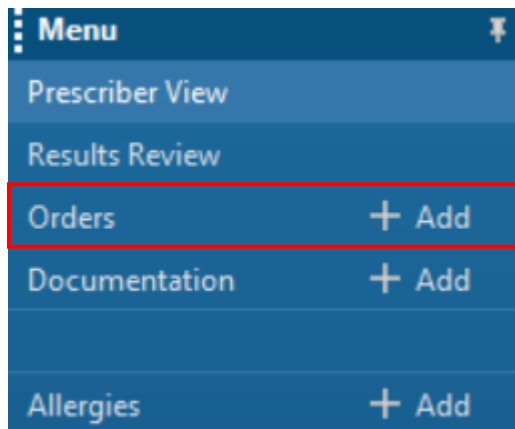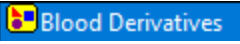# DERIVATIVES POWERPLAN
HOSPITAL INFORMATION SYSTEM (HIS)

DERIVATIVES ADMINISTRATION USERS
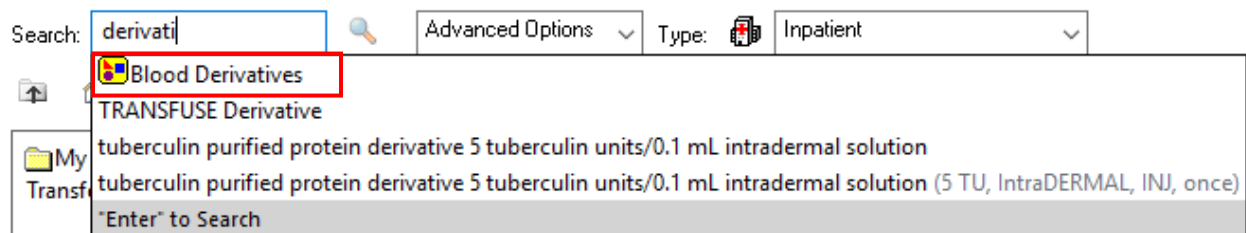
Blood Transfusion: Orders

Placing Transfusion PowerPlan:

1. Navigate to Table of Contents (Blue Menu) and select next to orders.

2. The Add Order dialogue box opens. In the search bar, start typing in "derivatives" and select the PowerPlan to view.
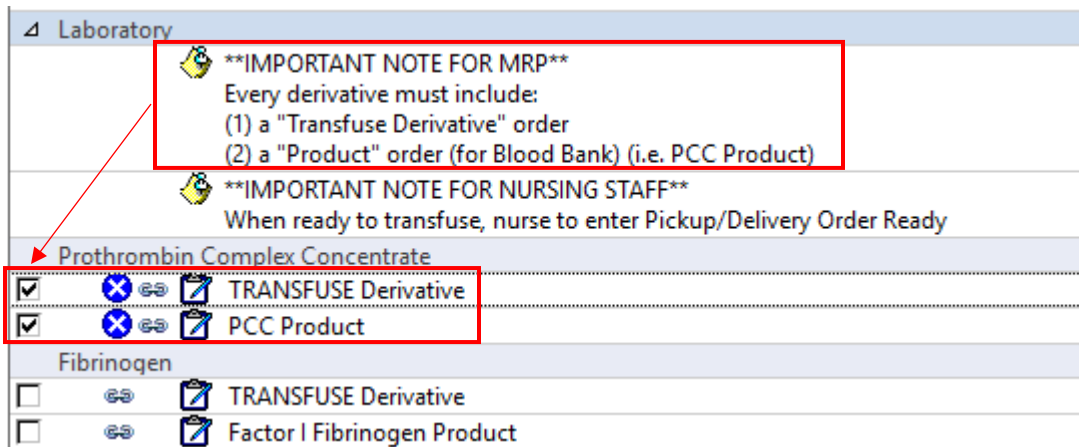

3. Check boxes next to medications to include in the PowerPlan where applicable

4. Select Blood Products to be transfused
   - **Note**: "Product" Order is prechecked when checking the "Transfuse Blood Product" Order. It is important to ensure both orders are checked as shown below.

Please refer to page three to review and ensure the linkage of blood products

   - **Note:** The TRANSFUSE order will anchor to the first Derivative PRODUCT - often the most common product ordered in that list. If that is not the desired product, then prescribers need to know to unclick the PRODUCT order (only), and re-click the product they would like.

5. IMPORTANT: Ensure the number of units entered in "Product" and "Transfuse Blood Product" Orders match.

6. After filling out all the missing required details, indicated by ⊗, click [Plan for Later] to place the PowerPlan in a "Planned" state or click [Initiate Now] to initiate the PowerPlan now.

Ordering blood products must always LINK

BLOOD PRODUCT ORDER — Blood Bank receives order

+

TRANSFUSE ORDER — Tasks nurse; Bridge receives order

this does not replace the current "Infuse" order
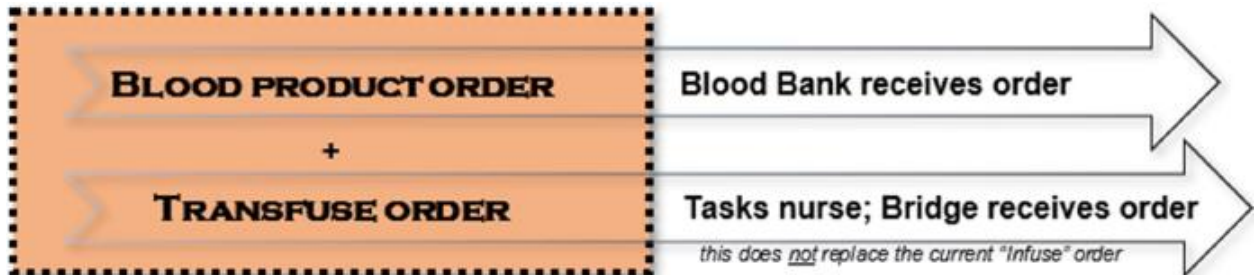
The inclusion of TRANSFUSE Derivative has automatically included 1 linked component(s)

Albumin: Include exactly 1 of 5 component(s).

Clicking on the *TRANSFUSE Derivative* checkbox links with the most commonly used derivative in that category

		TRANSFUSE Derivative
☑		Albumin 25% 100mL Product
☐		Albumin 25% 50mL Product
☐		Albumin 5% 50mL Product
☐		Albumin 5% 250mL Product
☐		Albumin 5% 500mL Product

Albumin

If a different product is required, unclick the unwanted product

		TRANSFUSE Derivative
☐		Albumin 25% 100mL Product
☐		Albumin 25% 50mL Product
☐		Albumin 5% 50mL Product
☐		Albumin 5% 250mL Product
☐		Albumin 5% 500mL Product

Albumin

Click on the required product

		TRANSFUSE Derivative
☐		Albumin 25% 100mL Product
☐		Albumin 25% 50mL Product
☐		Albumin 5% 50mL Product
☐		Albumin 5% 250mL Product
☑		Albumin 5% 500mL Product

This satisfies the LINK,

BLOOD PRODUCT ORDER

+

TRANSFUSE ORDER
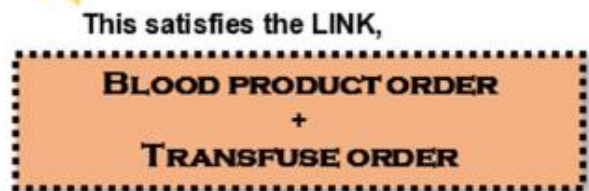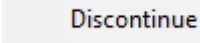
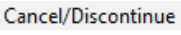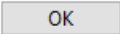**Transfusion Reaction and Cancelling/Discontinuing the PowerPlan**

In the event that a nurse has notified you of a possible transfusion reaction, and when you have determined a transfusion reaction has occurred, the nurse will stop the transfusion immediately. Follow the steps below to cancel/discontinue the transfusion PowerPlan.

1. Navigate to Table of Contents (Blue Menu) and select Orders
2. From the view column, right-click the initiated Blood transfusion order.
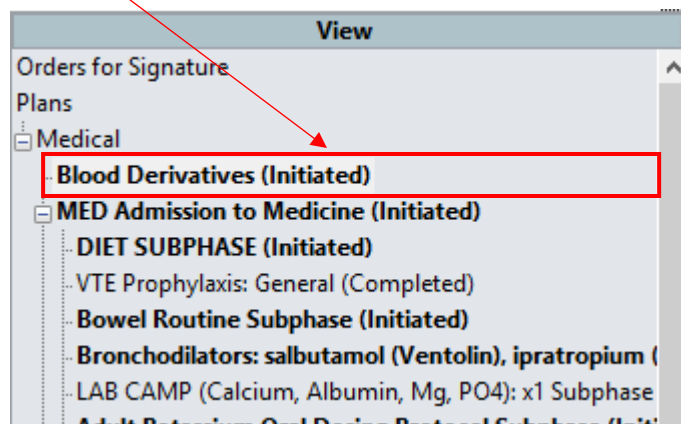
3. Select Discontinue
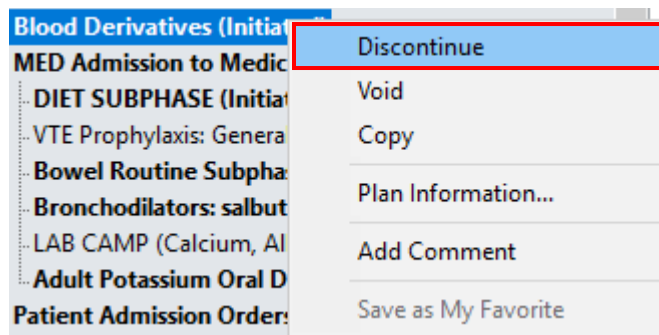
- Note: You can cancel a specific order within a PowerPlan by right-clicking on the order and selecting Cancel/Discontinue . You are then prompted to select the reason for cancelling the order.
4. The Discontinue dialogue box opens, please note that the order and the accompanying consent form are preselected. Click OK

Current State Infuse Vs. Future State Transfuse

In the future state, nurse enters Pickup/Delivery Ready Order, which is replacing the INFUSE order in MEDITECH.

Current State

+ paper printout/pneumatic tube

Future State

+ paper printout/pneumatic tube

Ordering Pickup/Delivery Order: Nursing Staff

1. Navigate to Table of Contents (Blue Menu) and select [+ Add] next to orders.
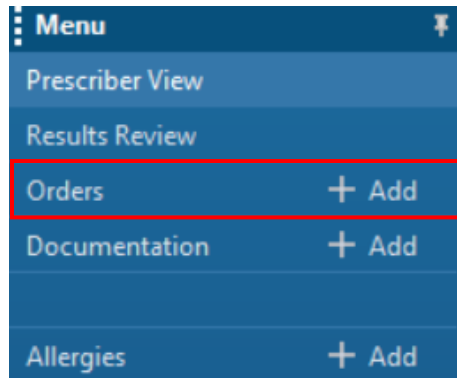
2. Start typing in "transfusion reaction" and select [Pickup/Delivery Ready Order]
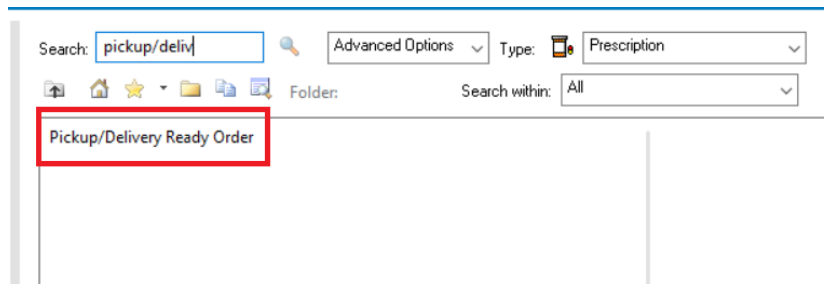
3. Fill in the missing required details and additional information where applicable.
   A. **Product Type** and **Quantity** are required to sign the order.
   B. PTS Transport (Station Number): Utilised when the product is to be sent through the pneumatic tube system (SCS only).

Bridge Derivatives Transfusion

Single-Unit Transfusion Start

1. Click from the Tool Bar.
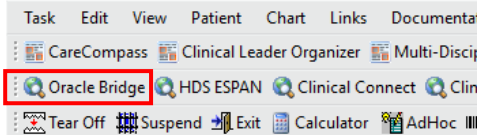
2. Scan patient's wristband.

3. Click **Record Vital Signs.**

4. Click **Administer Derivatives**.

A Derivative is any blood product that is not a blood component (Red Cells, Plasma, Platelets). For example: PCC, Fibrinogen, Albumin, IVIG, C1 Esterase Inhibitors, Rhogam, Immune Globulins, Tissue, Factors, Subcutaneous IG, other.
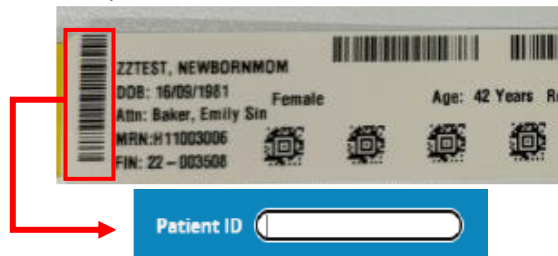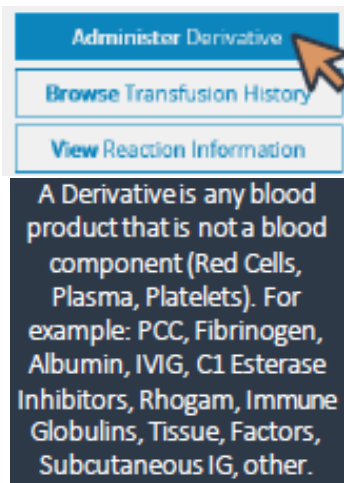
5. Expand and check **Transfusion Orders** and **Blood Results**.
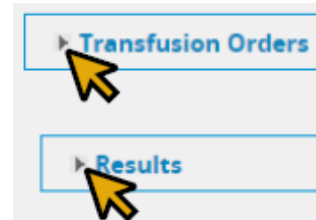
6. Select the **derivative.**

7. Scan **Recipient Tag**, and click **Continue**.

8. Scan **Product** Label.
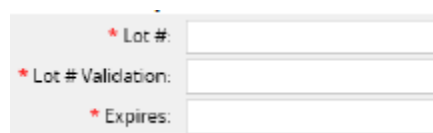
9. Enter **derivative product** and other fields – dose, volume, IV/inject site
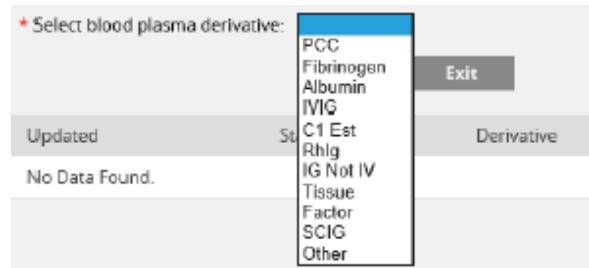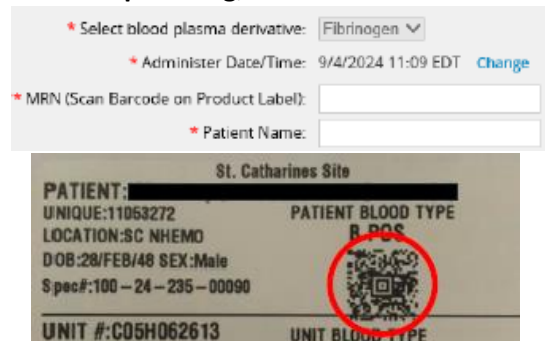
Injectable derivatives

IV infusible derivatives

10. Complete mandatory fields. Second nurse to complete their **independent checks.** Click **Start**.

Independent double check is completed at the bedside as per policy 440-015-005 and starts at the patient's chart confirming the product

11. Second nurse must enter their credentials to **co-sign**. Click **Start**

12. After the second nurse co-signs:
    A. If this derivative is an **injectable**, **Status** will show **Administer Completed**. Skip to step 16.

Derivative	Lot#/Serial#	Status	ExpirationDate	Update Date/Time
IG Not IV	R02G042993	ADMINISTER COMPLETED	6/12/2025 00:00 EDT	9/4/2024 12:47

    B. If this derivative is an **IV infusion**, **Status** will show **Administer Started**.

Derivative	Lot#/Serial#	Status	ExpirationDate	Update Date/Time
IG Not IV	R02G042993	ADMINISTER COMPLETED	6/12/2025 00:00 EDT	9/4/2024 12:47
Albumin	C09H078183	ADMINISTER STARTED	8/14/2026 00:00 EDT	

After starting an infusible derivative, exit to record vitals, as per policy, and return to Administer Derivative once bag is finished

13. Once infusion is complete, click the box under the **Updated** column.

Updated	Started	Derivative
✓	9/4/2024 12:47 EDT	IG Not IV
☐	9/4/2024 11:34 EDT	Albumin

14. **Update the Date/Time** by clicking in the field. Record if a **reaction** occurred by selecting Yes/No.

Update Date/Time	Reaction	Administered Volume(mL)
9/4/2024 12:47	No	1.00
		100.00

15. Update the administered **volume** if needed, click **Complete.**

16. Click **Exit.**

17. Derivative Administration is now complete.

Holding IV Derivative Transfusion

1. If there is a transfusion started but needs to be held, click **Administer Derivative**.

2. Select the derivative under the **Updated** column

3. Click and **update Date/ Time**. Click **Hold**

4. Select **Reason for hold**, click **Continue**

5. Status will change to **Administer Held**

Resuming IV Derivative Transfusion

1. Once resumed, select the derivative under the **Updated** column

2. Update the Date/Time and click **Resume**

3. Status will change to **Administer Resumed**

4. **Ensure to complete IV derivative transfusion documentation in Bridge.**