

MEDITECH Expense TIP SHEET

Neonatal Blood Product Order Enhancements



New content will be added to the Neonatal Blood Product orders to increase ordering efficiencies and guide appropriate ordering practices. These enhancements were reviewed and approved by the HCA NICU/Neonatal Advisory Group. The impacted orders include:

- Red Blood Cells Neonatal Prod
- Cryoprecipitate Neonatal Prod
- Platelets Neonatal Product
- FFP Neonatal Product

Enhancement Features

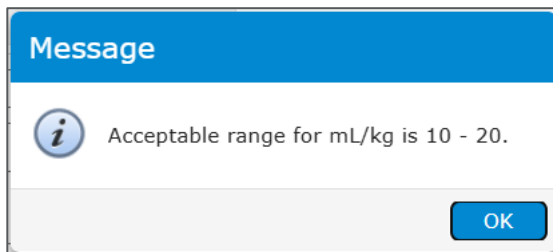
By default, the order will calculate a *Volume requested (mL)* based on the patient's last documented weight (in kg).

RBC Product: Weight (kg) x 15

Cryo, Platelet, FFP Products:

Weight (kg) x 10

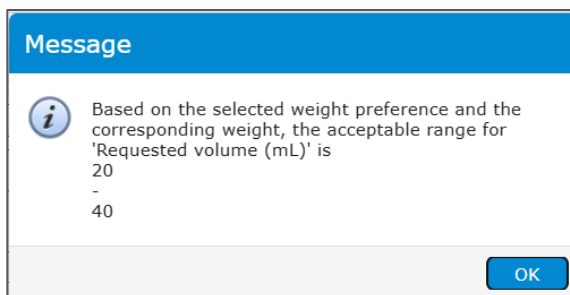
Alert if “mL/kg (for volume calculation)” is outside of 10 – 20:



The provider can adjust the *mL/kg (for volume calculation)* or *Volume requested (mL)* fields as needed.

The provider must select a volume that is within the parameters of 10 – 20 mL/kg. If a provider selects outside of these parameters, they will receive an FYI message, alerting them of the acceptable parameters.

Alert if “Volume requested (mL)” is outside the calculated 10 – 20 mL/kg:



Note: Adjusting the mL/kg or Volume requested fields will automatically update the other to ensure an accurate record.

Red Blood Cells Neonatal Prod

Routine * New

* mL/kg (for volume calculation)

* Weight preference (for volume calculations)

* Dry weight (kg)

* Volume requested (mL)

Using the *Weight preference (for volume calculations)* field, providers can opt to use a patient's dry weight for volume calculations rather than the patient's actual weight.

The first time a provider opts for this, they will have to designate the patient's dry weight (in kg).

All volume calculations will then be based on the dry weight designated.

Red Blood Cells Neonatal Prod

Associated Data

Order	Result	Date	Specimen
Dry weight (kg)	4	11/15/24 13:28	

Red Blood Cells Neonatal Prod

Red Blood Cells Neonatal Prod Routine	Ordered	11/15/24 13:25
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Stat ☆

Routine ☆

DAILY ☆

If a *Dry weight (kg)* has been answered previously (from any of the neonatal product orders), then upon searching for the product order, the previous dry weight will appear under the associated data, along with when it was captured.

Red Blood Cells Neonatal Prod

Associated Data

Order	Result	Date	Speci
Dry weight (kg)	4	11/15/24 13:28	

Red Blood Cells Neonatal Prod

Red Blood Cells Neonatal Prod Routine	Ordered	11/15/24 13:25
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Routine * New 11/18/24 15:41

* mL/kg (for volume calculation)

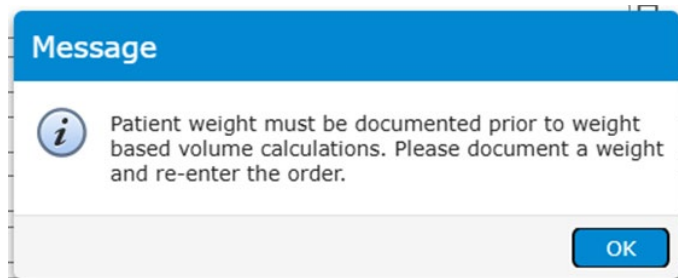
* Weight preference (for volume calculations)

* Dry weight (kg)

* Volume requested (mL)

In this scenario, if the provider opts to calculate the volume using the dry weight again, the previous dry weight will pull forward and calculate accordingly. The *Dry weight (kg)* can be updated as needed.

Note: The neonatal RBC product order will always default to calculating volume based on the patient's **actual weight**. A provider must manually switch to using dry weight for EACH order they intend to do so.



A patient weight must be entered prior to entering this order. If a provider attempts to enter this order prior to the patient being weighed, they will receive this alert.

Hx Info/Specimen Comments/Queries/Markers

```
Dry weight (kg) 5
Ordered date 11/25/24
Ordered time 0902
Neonatal RBC reason for transfusion
test
Transfuse now N
mL/kg (for volume calculation) 15
Weight preference (for volume calculations) Dry weight (kg)
Patient weight 264 lb 8.88 oz
Volume requested (mL) 75
Dry weight (kg) 5
Ordered date 11/26/24
Ordered time 1344
Neonatal RBC attributes needed
  Irradiated
  Hemoglobin S negative
  CMV Negative
Neonatal RBC reason for transfusion
testing
Transfuse now Y
mL/kg (for volume calculation) 15
Weight preference (for volume calculations) Actual weight
Patient weight 264 lb 8.88 oz
Volume requested (mL) 1800
Dry weight (kg) 5
Ordered date 11/27/24
Ordered time 0725
Neonatal RBC attributes needed
  Irradiated
  Hemoglobin S negative
  CMV Negative
Neonatal RBC reason for transfusion
Testing now screens and calculations on weight
Transfuse now Y
mL/kg (for volume calculation) 15
Weight preference (for volume calculations) Dry weight (kg)
Patient weight 264 lb 8.88 oz
Volume requested (mL) 75
```

Close

Once the product is received in lab the queries display as comments which are visible in the patient requisition, enter results, and inquiries.

Additional products will combine onto the same specimen for 72 hours. The newest queries will display as comments and file at the bottom.

After the initial 72 hours, the product will create a new specimen, and during the next 72 hours any additional products will combine onto this specimen. These products should not be moved and allowed to combine as the system dictates.

The volume in each additional ordered product will display after the associated order date/time.