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| **Transfusions at Children’s Special Care Nursery-Mercy Hospital** |
| **Purpose** | This process describes how to provide red blood cells and plasma for transfusions at Children’s Special Care Nursey at Mercy Hospital. |
| **Policy Statements** | * Children’s Minnesota-Minneapolis transfusion service will provide red blood cells and plasma to Children’s Special Care Nursey at Mercy Hospital upon request of a licensed provider.
* Blood transfusion will occur Monday through Sunday 8am-5pm
* Red blood cells and plasma will be issued in a bag with a minimum of 100 mLs with a 60 mL syringe set. No syringes will be issued.
* Patient identification, specimen labeling, pre or post transfusion testing and product issuing must follow Children’s Transfusion Service’s established policies/procedures.
* The following transfusion criteria must be met:
	+ All RNs who performed transfusions will complete training including the function of red blood cells, transportation and storage requirements, administration procedures, recognition and management of adverse reactions to transfusion.
	+ RNs who perform transfusion will complete yearly blood transfusion training and required education
* Children’s Special Care Nursery-Mercy will maintain COLA accreditation
* Children’s Special Care Nursey-Mercy transfusionist will perform transfusion audits on all transfusions
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| **Process** |  |
|  | **Activity** | **Responsible Party** | **Key Considerations** | **Related Document** |
|  | 1 | Initiate transfusion request. | Attending provider | * Inform the parent/guardian of the risk/benefits of transfusion and sign consent
* Enter the order into the Cerner
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|  | 2 | Review order and obtain specimen (if needed) | Special Care Nursery RN | * Review order in Cerner
* Verify the patient has a current blood bank work-up, either in Cerner or call Mpls transfusion Service at 612-813-6824
* If no transfusion history, obtain blood specimen for type and screen and deliver to Children’s Minneapolis Laboratory
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|  | 3 | Process transfusion request | Children’s Minneapolis Transfusion Service | * Follow normal pretransfusion order processes.
* Prepare RBC product or plasma product
* Issue products Special Care Nursery-Mercy
* Fill out Mercy Transfusion Documentation form and send with product.
* When release slip is received have Sendouts call for an 1 hour Priority Courier pick-up
* Pack products for transport using the following cooler transport guidelines
 | TS 12.11 Transporting of products in CoolersTSf 3.32.2 Special Care Nursery-Mercy Transfusion Documentation |
|  | 4 | Obtain and transfuse blood product | Special Care Nursey RN | * Activate release slip in Cerner.
* Call Minneapolis transfusion service to verify that the release slip was received 612-813-6824
* When blood product cooler is received.
	+ Fill out Mercy Transfusion Documentation Form.
	+ Verify temperature of unit by using the infrared thermometer. Unit temperature needs to be between 1-10°C. If temperature out of range, unit cannot be transfused. Call the Transfusions Service at 612-813-6824
* Leave the blood unit in the cooler until ready for transfusion
* Follow Children’s Minnesota Blood Administration policy 366.00
* Fill out Blood Administration Audit Checklist
* After transfusion is completed, attach Pink unit tag to the Transfusion Documentation form
* Fax both Documentation form and Administration Audit Check list to Minneapolis Transfusion Service 612-813-6951.
* Place completed forms in the Blood Administration three ring binder.
* Send cooler back to Minneapolis Children’s Transfusion Service the next morning with hospital courier.
 | 366.00 blood Product AdministrationTSf 3.32.1 Blood Administration Audit |
|  | 5 | Mercy Special Care Nursery paper work | Transfusion service | * Review paperwork for completion.
* If everything is correctly filled out, place in three ring binder.
* If there is missing documentation, place paperwork on technical specialist desk and fill out SLR
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| **Procedure** |  |
|  | **Step** | Action |
| Assessing RBCtemperature using infrared  | 1 | Remove unit from cooler and mix the unit well. |
| thermometer-  | 2 | Hold infrared thermometer within 2 inches of the blood product container surface. |
| Special Care Nursery-Mercy Nursing | 3 | Press and continue to hold down the trigger until the temperature reading displays. |
|  | 4 | Document the temperature on Special Care Nursery-Mercy Transfusion Documentation form |
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| **If** | **Then** |
| Temperature is acceptable**Red Blood Cells and plasma 1-10°C** | Red Blood cells or plasma are okay to be transfused. |
| Temperature is unacceptable either below 1°C or above 10°C | Red Blood Cell or plasma unit **CANNOT** be transfused. Call the Transfusion Service at 612-813-6824 |

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| **Approval****Workflow** | Transfusion Service/Laboratory Medical Director |
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| **Historical Record** | **Version** | **Written/Revised by:** | **Effective Date:** | **Summary of Revisions** |
| 1 | S. Cassidy | 03/16/2020 | Initial Version |
|  | 2 | S. Cassidy | 02/01/2021 | Added plasma and timeframe of transfusion |