

## Blood Products for Pediatric Patients

BTL must be contacted if products are ordered differently than stated in this protocol.

**Blood requested urgently will be issued in a bag; preservative depletion will not be done.**

Red Cells	
<u>Patient's weight must be known</u>	
<b>Pediatrics &lt;10Kg</b>  or  <b>Hepatic, Renal &lt; 20Kg</b>	<u><b>Transfusion up to 20mL/Kg</b></u> <ul style="list-style-type: none"> <li>Orders up to 100mL: Volume ordered + 5mL, pre-filtered in pedi-syringe(s)</li> <li>Orders 101-200mL: Volume ordered + 30mL; in a bag; not pre-filtered.</li> <li>Orders over 200mL: Full unit of RBCs issued.</li> </ul> <u><b>Transfusion over 20mL/Kg</b></u> <ul style="list-style-type: none"> <li>Orders up to 100mL: Volume ordered + 5mL, preservative depleted<sup>1</sup>, pre-filtered in pedi-syringe(s)</li> <li>Orders 101-200mL: Volume ordered + 30mL, preservative depleted<sup>1</sup> issued in a bag, not pre-filtered.</li> <li>Orders over 200mL: Full unit of RBCs preservative depleted<sup>1</sup>.</li> </ul>
<b>All other pediatric patients</b>	<ul style="list-style-type: none"> <li>Orders up to 100mL: Volume ordered + 5mL, pre-filtered in pedi-syringe(s)</li> <li>Orders 101-200mL: Volume ordered + 30mL; in a bag; not pre-filtered.</li> <li>Orders over 200mL: Full unit of RBCs issued.</li> </ul>
Platelets	
ABO compatible	<ul style="list-style-type: none"> <li>Orders up to 100mL: Volume ordered + 5mL, pre-filtered in pedi-syringe(s)</li> <li>Orders 101-200mL: Volume ordered + 30mL; in a bag; not pre-filtered.</li> <li>Orders over 200mL: Full unit of platelets issued.</li> </ul>
ABO incompatible (patients ≤ 12 yrs)	<ul style="list-style-type: none"> <li>Orders up to 75mL: Volume reduced product<sup>2</sup> (20mL); pre-filtered into pedi-syringe.</li> <li>Orders 76-150mL: Volume reduced product<sup>2</sup> (40mL); pre-filtered into pedi-syringe.</li> <li>Orders over 150mL: Volume reduced product<sup>2</sup> (50mL); pre-filtered into pedi-syringe.</li> </ul>
Plasma Products	
<b>Frozen Plasma</b>	Volumes up to 100mL: Volume ordered + 5mL, pre-filtered in pedi-syringe. Volumes over 100mL: Single unit issued in a bag.
<b>Cryoprecipitate (ordered by unit)</b>	<ul style="list-style-type: none"> <li>Orders of 1-4 units: Pre-filtered in a syringe.</li> <li>Orders ≥ 5 units: Issued in a bag.</li> </ul>

<sup>1</sup> Preservative depleted: Preservative is removed, and replaced with an equal volume of saline. Removes extracellular K<sup>+</sup> and sugars

<sup>2</sup> Volume reduced: Amount of ABO incompatible plasma decreased.

**NB:** Preservative depleted or volume reduced product requires additional preparation time.