

7 ADMINISTRATION OF BLOOD COMPONENTS




TRANSFUSION MEDICINE PROTOCOLS



7.1 STANDARD ADMINISTRATION SETS AND FILTERS

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7.1 Standard Administration Sets and Filters
Section 7
Transfusion Medicine Protocols
Women's & Newborn Health Services
Perth Western Australia

Use universal precautions at all times when handling blood and blood products. Peripheral intravenous access should be sufficient to maintain an adequate rate for the transfusion without risk of haemolysis. 18-20 gauge is recommended for adults and 22-24 gauge or larger is recommended for paediatric patients.

Product	Giving Set	Usual rate of administration	Discard after
<p>Packed Red Blood Cells</p> <p>ABO and Rh D Compatible</p> 	<p>Use a Blood giving set with 170-200 micron filter. May be administered by gravity or syringe driver or Plum A+ Pump.</p> <p>Change giving sets at least every 8 hours. Prime and use according to manufacturer's instructions.</p> <p><i>For PLUM A+ pump use B line with a blood giving set which contains a 170-200 micron filter. Change the B line filter at 8 hrs. At transfusion completion also change the A line.</i></p>	<p>Commence infusion within 30 minutes</p> <p>Usually administered over 2 hours.</p> <p>MUST be complete within 4 hours</p> <p>Detailed info - see section 11.1</p>	<p>4 Hours</p> <p>Notify Blood bank if not used</p>
<p>Fresh Frozen Plasma</p> <p>Group AB is 'universal Donor'. FFP NOT matched for Rh D</p> 	<p>Use a Blood giving set with 170-200 micron filter. May be administered by gravity or syringe driver or Plum A+ Pump.</p> <p>Change giving sets at least every 8 hours. Prime and use according to manufacturer's instructions.</p> <p><i>For PLUM A+ pump use B line with a blood giving set which contains a 170-200 micron filter. Change the B line filter at 8 hrs. At transfusion completion also change the A line.</i></p>	<p>Use immediately after thawing.</p> <p>Given stat.</p> <p>MUST be complete within 4 hours</p> <p>Detailed info - see section 11.4</p>	<p>4 hours</p> <p>Notify Blood Bank if not used.</p>
<p>Cryoprecipitate</p> 	<p>Use a Blood giving set with 170-200 micron filter. May be administered by gravity or syringe driver or Plum A+ Pump.</p> <p>Change giving sets at least every 8 hours. Prime and use according to manufacturer's instructions.</p> <p><i>For PLUM A+ pump use B line with a blood giving set which contains a 170-200 micron filter. Change the B line filter at 8 hrs. At transfusion completion also change the A line.</i></p>	<p>Use immediately after thawing. Given stat.</p> <p>MUST be complete within 4 hours</p> <p>Detailed info - see section 11.5</p>	<p>4 hours</p> <p>Notify Blood Bank if not used.</p>

Product	Giving Set	Usual rate of administration	Discard after
<p>Platelets</p> <p>Identical ABO and Rh D type provided if available</p> 	<p>Use a fresh blood giving set with 170-200 micron filter. Must NOT be infused through a set already used for red cells.</p> <p>May be administered by gravity or syringe driver or Plum A+ Pump.</p> <p>Change giving sets at least every 8 hours. Prime and use according to manufacturer's instructions.</p> <p><i>For PLUM A+ pump use B line with a blood giving set which contains a 170-200 micron filter. Change the B line filter at 8 hrs. At transfusion completion also change the A line.</i></p>	<p>Platelets are stored agitated on Blood Bank mixer. Once collected use Immediately.</p> <p>Administered over 15 - 60 minutes</p> <p>MUST be complete within 4 hours</p> <p>Detailed info - see section 11.3</p>	<p>DO NOT REFRIGERATE</p> <p>Notify Blood Bank and return immediately if not required.</p>
<p>Albumin 4%</p> 	<p>Administered through a standard IV infusion set.</p> <p>An in line filter is not necessary, however if there is a filter already in an infusion line it will not pose any problems</p> <p>Giving sets must be changed every 24 hours</p>	<p>Stat, or as ordered</p> <p>Detailed info - see section 12.2</p>	<p>24 hours after opening</p> <p>Infusion time for a single vial must not exceed 24 hours</p> <p>Follow manufacturers insert</p>
<p>Albumin 20%</p>	<p>Administered through a standard IV infusion set.</p> <p>An in line filter is not necessary. However if there is a filter already in an infusion line it will not pose any problems</p> <p>Giving sets must be changed every 24 hours</p>	<p>No greater than 2mls/min</p> <p>Detailed info - see section 12.3</p>	<p>24 hours after opening</p> <p>Infusion time for a single vial must not exceed 24 hours</p> <p>Follow manufacturers insert</p>
<p>Immunoglobulin (Intragam P, Octagam, Flebogamma)</p>	<p>Administered through standard IV infusion set. An in line 170-200 micron filter is NOT required. If giving via Plum A pump use standard IV infusion set (A line).</p> <p>Flush the cannula. Slow rate initially</p> <p>For detailed info refer to Sections 12.9 or 12.17 12.18</p>	<p>Usually 2-6 hours</p>	<p>24 hours after opening</p> <p>Giving sets must be changed every 24 hours. Infusion time for a single vial must not exceed 24 hours</p> <p>Follow manufacturer's package insert.</p>

**Consent for blood must be documented on either a Consent form or in the progress notes.
Ensure you complete the blood transfusion record MR735, including start and stop time and checking signatures**