



Class 3 IFT-Paramedic Treatment Protocol 3101

Volume Expander

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This protocol covers blood, blood products, and colloid volume expanders. **All of these components must be infusing prior to transport.** Blood must be infusing via the appropriate tubing with normal saline IV spiked for infusion after the transfusion is complete. Colloid volume expanders may be re-administered and titrated by the Class 3 IFT-Paramedic (C3-IFT-P).

- A. Perform **Class 3 IFTA Protocol 9203**.
- B. Treatment for whole blood, packed red blood cells, platelets, fresh frozen plasma, and other blood components or elements:

1. If patient condition or diagnosis requires the administration of more than one already infusing blood product, contact **Medical Command** for aeromedical or CCT ground transport arrangements.



- 2. Continue the infusion rate as set by the **sending physician**. All blood products are monitor only for the C3-IFT-Paramedic.
- 3. Monitor and document vital signs every 15 minutes during infusion.
- 4. When transfusion is complete, infuse normal saline IV at 100 ml/hr or at a rate ordered by the **sending physician**.
- 5. Monitor patient closely for nausea, vomiting, chills, fever, itching, rash, dyspnea, back pain, chest pain, or other signs of a transfusion reaction.

6. In the event of a transfusion reaction, discontinue blood product infusion immediately, reassess patient and vital signs, and **contact MCP** for possible management orders.





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C. Treatment for colloid administration:

1. Colloid volume expanders (Hespan, Plasmanate) can be re-administered, titrated, and monitored by the C3-IFT-Paramedic.
2. In the acute hypovolemic patient, isotonic crystalloid infusion should be considered prior to the administration of IV colloids.

3. Colloid infusions must infuse at the rate set by the **sending physician** and may be re-administered or titrated after **consultation with the MCP.**



4. Monitor and document vital signs every 15 minutes during infusion.
5. Monitor patient closely for nausea, vomiting, chills, fever, and hives.
6. When infusion is complete, infuse normal saline IV at 100 ml/hr or at a rate ordered by the **sending physician.**

SPECIAL NOTE: Blood and blood products must have been infusing for at least 15 minutes prior to leaving the facility.