Massive Transfusion Policy (MTP) Quick Guide

**Triggers for Initiating MTP**
1. Any patient receiving blood products to maintain SBP en route
2. Assessment of Blood Consumption (ABC) Score Comprised of four components:
   a. SBP less than 90 mm Hg
   b. HR greater than 120 bpm
   c. Positive Focused Assessment Sonography in Trauma (FAST Exam)
   d. Penetrating torso injury
   e. A score of 2 or greater on the ABC Score indicates a need initiate the Massive Transfusion Protocol.

**Designation of Person Responsible for Triggering MTP**
- Primary team
- Intensivist Team
- ED, Anesthesia

**Initiate MTP**
- Initiate Trauma Page for MTP Activation.
- Identify patient and MRN.
- Blood Bank to set up cooler #1 containing
  - 5 units PRBC
  - 5 units plasma (do not delay issuing cooler if less than five units are available)
  - 1 unit apheresis platelets (to accompany cooler, but not placed in cooler)
- Cooler #2 to contain
  - 5 units PRBC
  - 5 units plasma
- Ordering department to pick up cooler
- Blood products will be transported with the patient.
- Repeat, alternating #1 and #2, until MTP deactivated.

**Lab Studies**
- All labs will be performed STAT or via Point of Care Testing where available.
- CBC, PT/PTT, Basic Metabolic Panel, ionized Calcium, Lactate and Arterial Blood Gas (ABG) – every 4 hours or after each cooler or whichever comes first.
- Fibrinogen level after 10 units PRBC
  - Give cryoprecipitate 10 units (after every 2 coolers) for fibrinogen level less than 100 mg/dL.

**Hemostasis**
- If bleeding controlled, deactivate MTP.
- If bleeding uncontrolled, continue MTP.
- With continued ooze:
  - Give plasma for INR greater than 1.6.
  - Give platelets for platelet count less than 50 x 10^9/L.
  - Consider rFVIIa (recombinant Factor VIIa) – requires Attending approval.

**After Stabilization**
- Deactivate MTP.
- Return cooler with any unused units to the Blood Bank.
- Draw labs:
  - PT / Fibrinogen / CBC / BMP / iCa
  - At least every 6 hours and PRN for 24 hours
  - Then every 12 hours for 24 hours.