Table 2. University of Kentucky Trauma Massive Transfusion Protocol

Clinical Criteria (Admission)
- SBP ≤ 70mmHg
- Crystalloid > 4L
- Estimated blood loss > 1000cc
- SBP<90mmHg despite 3.5L crystalloid (50mL/kg)
- Temp <34°C
- ISS > 25

Clinical Criteria (Trauma OR)
- Non-surgical hemorrhage
- EBL >150 mL/minute

1. Contact Blood Bank: (Attending, Fellow or Chief Resident) “Activate Trauma MTP”
2. Contact OR: ‘Send OR Tech to BB to Stand Quietly Outside Door and Wait for Cooler’
3. Submit Specimen for Crossmatch Immediately

Controlled Resuscitation
(Limited Crystalloid, Avoid HTN): RBC from Blood Refrigerator

Yes. Contact Blood Bank. “Stop MTP”

Cooler #1: 4 PRBC/2 FFP
Consider rFVIIa (90mcg/kg IVP) if Fgn ≥100

Bleeding Controlled?

No

Send OR Tech to BB to Stand Quietly Outside Door and Wait for Cooler.
Cooler Next (#2): 4 PRBC/4 FFP/Single Donor Pheresis Platelet

Bleeding Controlled?

No

Laboratory Criteria
(Any Time)
Base Deficit > 8
INR > 1.4
PT > 18 seconds
PTT > 60 seconds
Admission Hct < 30
pH < 7.1

Yes.
Contact Blood Bank. “Stop MTP”

Hemogram, Coags, Fgn (Consider TEG)

Hemogram, Coags, Fgn After Each Round
Consider Repeat TEG

No

Send OR Tech to BB to Stand Quietly Outside Door and Wait for Cooler.
Cooler Next (#3): 4 PRBC/4 FFP

Bleeding Controlled?

No