

Adult Massive Transfusion Protocol (MTP) Checklist

Medical decision to initiate MTP



Initiate MTP & prepare forms

Call 777: State “This is a MTP, my location is ...”

- Complete a **QMR022A form**, write **“EMERGENCY BLOOD”**
Guide: 1-3 Units
- Write **“MTP BOX 1”** on a second QMR022A form AND
on a **QMR022B form**
- Sign the Requested by boxes on ALL 3 FORMS

Scan forms to Blood Bank

Scan ALL 3 FORMS to Blood Bank (pre-programmed or 80159)

- Orderly or Operating Theatre Assistant (OTA) will go directly to Blood Bank
- Orderly or OTA will deliver blood/MTP box,
then return to Blood Bank for next box



Activate MTP

Call Blood Bank (80310), State “I am activating the MTP”

- Confirm your location and contact number
- Identify yourself, AND the name and designation of the
Clinical Team Leader initiator
- Identify patient: Full name and NHI
- Clarify what blood and or components required
- Name of the Guardian of the blood (Notify Blood Bank of any change)
- Provide brief patient diagnosis, relevant information
e.g. anticoagulant

Pre-transfusion blood sample (Group & Screen)

Clarify with Blood Bank

- Is there a valid group and screen?
 If not, send a new sample
- Blood Bank can supply emergency blood or group specific
blood while the sample is being tested

**MTP Ceased?
Notify Blood Bank
on 80310**

**Received too many blood components?
Send the most recently received blood components
back to Blood Bank**

Return to controlled storage within 30 minutes of issue to minimise wastage

Clinical Team Leader/Guardian Responsibilities

- ◆ **Initiate** (call 777)
- ◆ **Prepare** QMR022A/B forms
- ◆ **Scan** forms to Blood Bank (80159 or pre-programmed tab)
- ◆ **Activate** the MTP (call 80310)
- ◆ **Cease** the MTP (call 80310)

Blood Bank Responsibilities

- ◆ Ensure X-match sample is processed ASAP after O neg release
- ◆ Notify NZBS TMS after issuing MTP Box 4 (or earlier if requested)
- ◆ Thaw next box in advance and await request forms
- ◆ Ensure supply of platelets

Contacts

- ◆ Blood Bank – ext. 80310
- ◆ Theatre OTA (0700-2300 hrs) – 021 354378
- ◆ Coagulation Lab – ext. 80374
- ◆ Transfusion Medicine Specialist (TMS) via Blood Bank

Additional Treatment Thresholds

- ◆ If PR >1.5 or APTT >40 consider additional 4 units FFP
- ◆ If fibrinogen <1 g/L consider additional 3 units Cryoprecipitate
- ◆ If platelets <75 x10⁹/L consider an additional unit of platelets
- ◆ If ionized calcium <1 mmol/L give 10 mLs calcium gluconate IV 10 mL of a 10% solution over 5 minutes
- ◆ **The Transfusion Medicine Specialist may override protocol**

Massive bleeding AND shock or coagulopathy

INITIATE MTP and prepare forms

Give 1-3 units (guide) O-neg or type specific RBC if cross-matched blood not available

ACTIVATE Massive Transfusion Protocol

Request, deliver and tranfuse as below

