Cardiac Surgery: Intensive Care Unit (ICU) Transfusion Algorithm

Chest tube output
>150 cc/hr (>2 cc/kg/hr)

Chest tube output
<150 cc/hr (<2 cc/kg/hr)

Coagulation tests and
thromboelastogram (TEG) performed

Add positive end expiratory pressure (PEEP)

Fibrinogen <200 mg/dL

Point-of-care:
Prothrombin time (PT) >12.6 seconds and/or
Activated partial thromboplastin time (aPTT) >45 seconds

Cryoprecipitate transfusion

Plasma transfusion

Platelet count <140,000/mm³ and/or
TEG maximum amplitude <55 mm

Platelet transfusion

Activated clotting time (ACT) >baseline

Administer protamine

Chest tube output
>150 cc/hr (>2 cc/kg/hr)

Add positive end expiratory pressure (PEEP)

All normal

Surgical re-exploration of chest