QUESTION 60 Septic transfusion reaction
Intravenous infusion of which of the following blood components is most likely to be associated with a septic transfusion reaction?
A. Red cell concentrate.
B. Fresh frozen plasma.
C. Pooled gammaglobulin.
D. Platelet concentrate.
E. Cryoprecipitate

1 Bacterial contamination
Bacteria do not grow well at cold temperatures therefore PRBCs and FFP are not common sources of bacterial contamination
Some gram –ve bacteria – Yersinia and Pseudomonous can grow at 1 to 6 deg
Platelets are stored at room temp, more likely to contain skin contaminants such as gram +ve organisms – coag –ve staph

Clinical manifestations
- Fever and chills
- Progress to septic shock and DIC
- Occur abruptly
- Onset is sudden and fulminant – distinguishes from FNHTR

Answer D platelet concentrate

1 Harrisons pg 667 Transfusion Biology and Therapy