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Pooled cryoprecipitate ready to use

Nuanchan Mungkhunkhamchaw, Jongkol Akakat, Kutcharin Phunikhom, Kriangsak Jenwitheesuk and Thipaporn Jaroonsiraneekul
Khon Kaen University, Thailand

Introduction: The pooled component represents a source of concentrated FVIII:C, von Willebrand factor, fibrinogen, FXIII and fibronectin from primary cryoprecipitate components derived from units of fresh frozen plasma. Plasma should be selected from male donors or consideration should be given to screening female donors for HLA/HNA antibodies, as a TRALI risk reduction measure. For storage, cryoprecipitate pooled should be rapidly frozen to a core temperature of -25°C or below within 2 hours of preparation.

Method: Cryoprecipitate was prepared by standard conventional method the male unit was selected for re-suspend cryoprecipitate 120-150 mL per pool. Five to six iso-blood group were pooled by connecting device within 5 minutes. The pooled cryoprecipitate were rapid frozen by -50°C blast. The evaluated of pooled were determine for factor VIII and fibrinogen.

Result: Pooled cryoprecipitate from 5 units by A, B, O blood group were determination of factor VIII and fibrinogen found 109/282, 136/358 and 70/288, respectively. Six units pooled were found 113/342, 139/318 and 78.5/259, respectively. Pooled no group five units in plasma B and AB were found 143/400 and 114/400.

Conclusion: Pooled cryoprecipitate seem useful for routine. The yield of Factor VIII are acceptable in A, B and AB. Blood group O is recommend for better mix with other group and should be resuspend in plasma B or A.

Biography

Nuanchan Mungkhunkhamchaw has completed her BSc (Transfusion Science) from Mahidol University, Thailand. She is the Supervisor in blood components preparation at Blood Transfusion Centre, Faculty of Medicine, Khon Kaen University, Thailand.

snuanc@kku.ac.th

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