Antigen to Activity Ratio of Factors II and IX in PPSB Concentrates

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The sterilization of plasma with β -propio-lactone and UV irradiation (cold sterilization) causes an activity loss of approximately 50% of the PPSB factors. The antigen to activity ratio of the factors II and IX was determined in the PPSB concentrate isolated from cold-sterilized plasma. This was then compared to the antigen to activity ratio of these factors in PPSB concentrates from plasma not sterilized with β -propio-lac-tone or UV irradiation.

Factor II and IX antigen concentrations in the tested PPSB concentrates were on average twice as high as the activity of these coagulation factors.

There was no difference in the antigen to activity ratio of factors II and IX in the PPSB concentrates from non-cold-sterilized plasma.