

Preparation of Porcine Factor V

Qiang Zhang, Xuejun Gao, Shanshan Qian, Minyue Ma, Qingzhang Li, Yingjun Cui

(Veterinary College, Northeast Agricultural University, Harbin, Heilongjiang 150030, China)

Abstract :

A rapid, simple, and reproducible method for the preparation of porcine Factor V from porcine plasma was investigated in this study. Methods: Porcine Factor V was isolated by multi-techniques including polyethylene glycol precipitation, absorption of protein on to barium citrate and DEAE-cellulose chromatography. Results: Porcine Factor V was identified by SDS-PAGE. Yields and purity of porcine Factor V were 90.2 mg/L of starting plasma and 64.4%, respectively. Conclusion: This preparative procedure is simple, high yields and suitable for mass production. [Nature and Science. 2004;2(3):87-90].

Key Word :

porcine plasma; Factor V; preparation

Volume 2, Number 3, October 2004, ISSN 1545-0740