

捐血中心血品存貨管理之模擬研究

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摘要

This paper presents a modified EPQ (Economic Production Quantity) model for blood products. Traditional inventory models for blood products were based on the situation of hospital's needs. The modified EPQ model considers the perspective of the blood collection center as well as the characters of blood supply chain, such as, short life-cycle, perishable, and rule of first-in-first-out. Three life-cycle cost formulas of blood products under different demand-supply scenarios are proposed in this paper.

關鍵字：Inventory Control、EPQ (Economic Production Quantity) model、Blood Products、Center of Blood Collection