

论文

溶血素类型和含量的分光光度测定法

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摘要:

关键词: 溶血素 分光光度法

SPECTROPHOTOMETRIC DETERMINATION OF HEMOLYSIN TYPES AND CONCENTRATION

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Abstract:

A quantitative method for measuring IgM, IgG and total hemolysin in serum is described. Immune mice serum (nontreated for determining IgM or treated with equal volume of 2-mercaptoethanol 0.2 mol/L for IgG). Sheep red blood cells (SRBC), guinea pig complement and-where applicable-sheep antimice immunoglobulin G serum were incubated at 37°C for 1h in fluid phase, centrifuged, and the supernatant read at 540 nm. Hemolysin concentration was calculated by $OD_{540} \times \text{dilution of serum}$. The IgG, IgM and total hemolysin concentrations in mice treated with hydrocortisone, cyclophosphamide or antilymphocyte serum (ALS) were decreased, but those of Bacille Calmette-Guerin (BCG) or levamisole treated mice were increased. It seems that this method is simple, rapid and exact.

Keywords: Spectrophotometry Hemolysin

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