Evaluation of some Sentinel Serum Proteins assays on the Beckman Coulter Synchron® LX Clinical Chemistry System

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Abstract (revised)

Introduction

Sentinel Kappa and lambda light chains, Alpha 1-Acid Glycoprotein and Lipoprotein(a) parameters with general chemistry assays.

Instruments and materials

• Beckman Coulter Synchron LX Clinical Chemistry System.

Methodology

The Synchron LX Clinical Chemistry System is a fully automated, high-performance, high-throughput instrument that is capable of performing a wide range of serum protein and chemistry assays, utilizing optical methods, nephelometry, and other techniques. The system can also be used for qualitative and quantitative analysis of proteins and other substances in serum samples. The Synchron LX Clinical Chemistry System is a compact, efficient instrument that is easy to use and maintain.

Results: Sensitivity

Results: Total Imprecision

Results: Linearity

Results: Methods comparison

Results: Prozone-effect

Results: On board calibration stability

Conclusions

The Synchron LX Clinical Chemistry System is a reliable and efficient instrument for analyzing serum proteins and chemistry parameters. The system provides accurate results and is easy to use and maintain. The system is a valuable tool for laboratories and hospitals, as it is able to perform a wide range of assays in a single instrument platform.

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References


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