

Stability Of Common Biochemical Analytes In Serum Gel

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Stability Of Common Biochemical Analytes Nine samples were stored at 15, 25 or 35°C for 4, 8 or 24 h, respectively, before centrifugation. Thirty-five biochemical analytes were measured on each sample. Results. Most analytes remained stable in all storage conditions including sodium, total protein, albumin, bilirubin, alanine transferase, aspartate aminotransferase, alkaline phosphatase, gamma glutamyl transferase, creatinine kinase, lipase, cholesterol, triglycerides, transferrin, urate, C-reactive protein, vitamin B12, ... Stability of common biochemical analytes in serum gel ... Most common biochemical analytes, except for amylase, showed adequate stability in serum following 30 days of storage at -20C. Serum amylase analysis should be conducted on the same day that the sample is received in the laboratory. Key words: Amylase, biochemical analytes, serum, stability, temperature Study of the Stability of Various Biochemical Analytes in ... serum. The stability maximized for the analytes including glucose, total bilirubin, urea nitrogen (BUN), uric acid stored at 4 degrees C in gel tubes. Aspartate aminotransferase (AST) activity increased significantly ($P = 0.002$) up to 48-h, however bias was not significant clinically. High density lipoprotein Stability studies of common biochemical analytes in serum ... Results: The majority of analytes were stable with delayed separation up to 12 h, except for potassium, C-peptide, osteocalcin, parathyroid hormone (PTH), bicarbonate and LDH. After prompt centrifugation and storage at 4°C, stability was greatly increased up to 48

h for most analytes. Stability of routine biochemical analytes in whole blood ... Tanner et al. Stability of common biochemical analytes in serum gel tubes 377. A sample was considered to be significantly affected by the storage condition if the difference compared with the. (PDF) Stability of common biochemical analytes in serum ... The stability maximized for the analytes including glucose, total bilirubin, urea nitrogen (BUN), uric acid stored at 4 °C in gel tubes. Aspartate aminotransferase (AST) activity increased significantly ($P = 0.002$) up to 48-h, however bias was not significant clinically. Stability studies of common biochemical analytes in serum ... The effect that delays may have on the accuracy of results of blood biochemical analyses is not well established. Hypothesis: Delays in processing of blood of up to 72h results in alterations in measured levels of common biochemical analytes that are of potential clinical relevance. Separation of serum prior to storage is protective against the ... Stability of common biochemistry analytes in equine blood ... Elucidation of stability profiles of common chemistry analytes in serum stored at six graded temperatures. Background Many reports address the stability of biochemical analytes in serum. However, studies covering a wide range of storage temperatures are unavailable. Using equipment enabling precise temperature control, we investigated the effect of six different storage temperatures on serum analytes. Elucidation of stability profiles of common chemistry ... Summary Reasons for performing study: Time delays between collection of blood samples and biochemical analysis of equine blood are unavoidably common in equine practice. The effect that delays may

... Stability of common biochemistry analytes in equine blood ... The majority of analytes were stable with delayed separation up to 12 h, except for potassium, C-peptide, osteocalcin, parathyroid hormone (PTH), bicarbonate and LDH. After prompt centrifugation and storage at 4°C, stability was greatly increased up to 48 h for most analytes. Stability of routine biochemical analytes in whole blood ... Stability studies of common biochemical analytes in serum separator tubes with or without gel barrier subjected to various storage conditions Serap Cuhadar , 1, * Ayşenur Atay , 1 Mehmet Koseoglu , 1 Ahmet Dirican , 2 and Aysel Hur 1 Stability studies of common biochemical analytes in serum ... Fingerprint Dive into the research topics of 'Stability of common biochemistry analytes in equine blood and serum stored at room temperature'. Together they form a unique fingerprint. chemical species Agriculture & Biology biochemistry Agriculture & Biology Stability of common biochemistry analytes in equine blood ... The duration of stability for most analytes we tested was at least 24 hours in the gel tube or the aliquot. Analytes are stable for longer periods of time when stored in aliquot tubes, remixed, and re-spun before analysis. plasma, stability, refrigeration, storage, heparin, allowable error Evaluation of Refrigerated Stability of 15 Analytes in ... Stability studies of common biochemical analytes in serum separator tubes with or without gel barrier - Biospecimen Research Database Stability studies of common biochemical analytes in serum separator tubes with or without gel barrier subjected to various storage conditions. Author (s): Cuhadar S, Atay A, Koseoglu M, Dirican A, Hur A Stability studies of common biochemical analytes in serum

... The aim of this study was to determine analyte stability of venous blood specimens in serum gel tubes exposed to a range of storage temperatures and times prior to centrifugation. Methods Thirty healthy adult volunteers were enrolled in the study. Blood was collected into 11 serum gel separator tubes. Table 1 from Stability of common biochemical analytes in ... The aim of this study was to determine analyte stability of venous blood specimens in serum gel tubes exposed to a range of storage temperatures and times prior to centrifugation. Methods Thirty healthy adult volunteers were enrolled in the study. Blood was collected into 11 serum gel separator tubes. Stability of common biochemical analytes in serum gel ... Abstract Objective A common problem in clinical laboratories is maintaining the stability of analytes during pre-analytical processes. The aim of this study was to systematically summarize the resu... The impact of pre-analytical variations on biochemical ... Serum amylase was the only analyte demonstrating instability following prolonged storage; amylase levels changed significantly (both statistically and clinically) at 7, 15, and 30 days ($P < 0.05$). Conclusion: Most common biochemical analytes, except for amylase, showed adequate stability in serum following 30 days of storage at -20°C . Study of the stability of various biochemical analytes in ... Blood was collected into 11 serum gel separator tubes. All samples were allowed to clot at room temperature for 30 min. Two samples were centrifuged and analysed as controls. Nine samples were stored at 15, 25 or 35 degrees C for 4, 8 or 24 h, respectively, before centrifugation. Thirty-five biochemical analytes were measured on each sample.

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