

BIOCHEMISTRY SAMPLES-I

Pages with reference to book, From 178 To 179

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Analysis of Blood constituents necessitates that samples axe taken at appropriate time of post absorptive state and in appropriate preservatives, an anti-coagulant. The following table lists various Blood constituents with appropriate sampling conditions and volume of sample required for analysis.

| CONSTITUENT | STATE | SAMPLE | ANTICOAGULANT |
|--|--------------------|------------------------------|--------------------|
| Glucose | F 12 hr. Random | Plasma/Serum Plasma/Serum | Sodium Floride/Nil |
| LFTs Including Bilirubin | Random | Serum | Nil |
| SGOT | Random | Serum | Nil |
| SGPT | Random | Serum | Nil |
| GAMMAGT | Random | Serum | Nil |
| Alkaline Phosphatase | Random | Serum | Nil |
| Renal Function Tests Including urea | Random | Serum | Nil |
| Creatinine | Random | Serum | Nil |

| CONSTITUENT | STATE | SAMPLE | ANTICOAGULANT |
|---|------------|--------|---------------|
| Electrolytes | Random | Serum | nil |
| Lipid Profile | F 14 hr. | Serum | Nil |
| including total Lipid | F 14 hr. | Serum | Nil |
| Cholesterol | F 14 hr. | Serum | Nil |
| Triglycerides | F 14 hr. | Serum | Nil |
| HDL | F 14 hr. | Serum | Nil |
| LDL | F 14 hr. | Serum | Nil |
| Cardiac enzymes Including CPK | Random | Serum | Nil |
| CPK-MB | Random | Serum | Nil |
| LDH | Random | Serum | Nil |
| Alpha HBDH | Random | Serum | Nil |
| SGOT | Random | Serum | Nil |
| Calcium | F 12 hr. | Serum | Nil |
| Iron | 12 hr. | Serum | Nil |
| T.I.B.C. | 12 hr. | Serum | Nil |
| Phosphorus | 12 hr. | Serum | Nil |
| Uric Acid | F 6-12 hr. | Serum | Nil |
| Magnesium | F 6-12 hr. | Serum | Nil |
| Proteins | Random | Serum | Nil |
| Including total Protein | Random | Serum | Nil |
| Albumin | Random | Serum | Nil |
| Electrophoresis | Random | Serum | Nil |
| Immunoglobulins | Random | Serum | Nil |
| Amylase | Random | Serum | Nil |
| Lipase | Random | Serum | Nil |
| Thyroid Hormones T ₃ , T ₄ , TSH | Random | Serum | Nil |
| Prolactin | Random | Serum | Nil |