Lab 5: Estimation of Uric acid

**Student Names:**

**1-**

**2-**

**3-**

**Method:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Chemical | Blank | Standard | (sample 1) | (sample 2) |
| Urizyme buffer | 1 ml | 1 ml | 1 ml | 1 ml |
| Urizyme Reagent | 0.1ml | 0.1 ml | 0.1 ml | 0.1 ml |
| Standard | ـــــ | 0.025 ml | ـــــ | ـــــ |
| Sample | ـــــ | ـــــ | 0.025 ml | 0.025 ml |

|  |  |  |  |
| --- | --- | --- | --- |
| Tube | Standard | (sample 1) | (sample 2) |
| Absorbance at 510 |  |  |  |

**Calculations:**Concentration of uric acid in serum sample1 = (Absorbance of sample 1÷ Absorbance of Standard) x5=mg/dl

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Concentration of uric acid in serum sample2 = (Absorbance of sample 2÷ Absorbance of Standard) x5=mg/dl

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**RANGE OF EXPECTED VALUES IN SERUM**

3.4 - 7.0 mg/dL