**Lab sheet #7**

**-Estimation of Uric Acid in serum -**

**-Objectives:**

* To estimate the amount of uric acid in blood.

**-Method:**

1-Pipette to 3 clean test tubes:

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Blank** | **Standard** | **Test** |
| **Buffer** | 1000 µl | 1000µl | 1000µl |
| **Standard** | ـــــ | 20 µl | ـــــ |
| **Sample** | ـــــ | ـــــ | 20 µl |

2- Water bath at 37ºC for **5 min.**

3-Read absorbance at **520nm.**

**-Results:**

|  |  |
| --- | --- |
|  | Absorbance at 520 nm |
| **Standard** |  |
| **Sample** |  |

-Reference value in serum:

* 2.5–7.0 mg/dL

-Calculations:

Uric acid concentration (mg/dl) = $\frac{Absorbance of sample}{Absorbance  of standard}$ x concentration of standard (**8 mg/dl**)

🡺Uric acid concentration= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_