

**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:

	<b>Blank</b>	<b>Standard</b>	<b>Test</b>
<b>Buffer</b>	1000 $\mu$ l	1000 $\mu$ l	1000 $\mu$ l
<b>Standard</b>	—	20 $\mu$ l	—
<b>Sample</b>	—	—	20 $\mu$ l

2- Water bath at 37°C for **5 min.**

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

**Results:**

	Absorbance at 520 nm
<b>Standard</b>	
<b>Sample</b>	

**Calculations:**

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

→Uric acid concentration= \_\_\_\_\_

**Reference value in serum:** 2.5–7.0 mg/dL