**BCH 447- Lab 7**

**Oral glucose tolerance test (GTT)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Plasma** | **Standard** | **dH2O** | **DNS reagent** |
| Test (a1) (Fasting plasma) | 0.1 | ـــــ | ـــــ | 2 ml |
| Test (a2) (Fasting plasma) | 0.1 | ـــــ | ـــــ | 2 ml |
| Test (b1) Tow- hour | 0.1 | ـــــ | ـــــ | 2 ml |
| Test (b2) Tow- hour | 0.1 | ـــــ | ـــــ | 2 ml |
| Standard (1) | ـــــ | 0.1 | ـــــ | 2 ml |
| Standard (2) | ـــــ | 0.1 | ـــــ | 2 ml |
| Blank | ـــــ | ـــــ | 0.1 | 2 ml |

**- Method-**

 cool the tubes for 1-3 min

Read absorbance at 540 nm

Mix the contents of each tube and cover each tube by Aluminum foil

Boiling water bath for 5 minutes

 Cool the tubes for 1-3 min🡪 Read absorbance at 540 nm

**- Result:**

|  |  |
| --- | --- |
| **Tubes** | **Absorbance at 540 nm** |
| Test (a1) |  |
| Test (a2) |  |
| Test (b1) |  |
| Test (b2) |  |
| Standard (1) |  |
| Standard (2) |  |