|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Tube No.** | **GSH stock**  **Solution (ml)** | **Phosphate**  **Solution (ml)** | **Total Volume (ml)** | **GSH** **Conc (mg/dl)** |
| **Blank** | 0 | 3 | 3 | 0 |
| **1** | 0.6 | 2.4 | 3 | 2 |
| **2** | 1.2 | 1.8 | 3 | 4 |
| **3** | 1.8 | 1.2 | 3 | 6 |
| **4** | 2.4 | 0.6 | 3 | 8 |
| **5** | 3 | 0 | 3 | 10 |

**BCH 447**

**Glutathione Estimation**

**- Method:**

**Conc. of stock GSH=** 10mg/dl

***# For standard curve (Tubes from blank to 5)*:**

**In a separate test tube**,

Take 0.5 ml of solution+ 2ml of Phosphate Solution + 0.25ml DTNB+ 0.25ml H2O.

***# For Sample:***

Take 0.3 ml of sample +2ml of Phosphate Solution + 0.25ml DTNB+ 0.45ml H2O.

\*\*Incubate all tubes for 10min at 37oC🡪 Read absorbance at 412 nm \*\*

**- Result:**

|  |  |
| --- | --- |
| **Tubes** | **Abs. at 412 nm** |
| **Blank** |  |
| **1** |  |
| **2** |  |
| **3** |  |
| **4** |  |
| **5** |  |
| **Sample** |  |