

BCH 447- Lab 5**Oral glucose tolerance test (GTT)****Method:**

1. Set six test tubes as duplicates a1, b1, and standard
2. Add 0.1 ml of fasting plasma sample, two-hour sample, standard to tubes a1, b1, and standard respectively
3. To the blank tube add 0.1 of distilled water
4. Add 2 ml of DNS reagent to all the tubes
5. Mix the contents of each tube and cover each tube by Aluminum foil
6. Incubate in boiling water bath for 5 minutes
7. Cool the tubes for 7 min
8. Read absorbance at 540 nm

Results:

Tubes	Absorbance at 540 nm	Mean Absorbance
Test (a1)		
Test (a2)		
Test (b1)		
Test (b2)		
Standard (1)		
Standard (2)		

Calculations:

Conc. Of Std.= 0.1 g/dl.

Amount of glucose in plasma= (Mean Abs Test / Mean Abs Std) X conc. of Std = **Z** g/dl

- Z g/dl X 1000 = **Y mg/dl**