**Lab 8: Determination of lipase in serum.**

**Method :**

|  |  |  |  |
| --- | --- | --- | --- |
| Chemical | **Sample 1** | **Sample 2** | **Working Reagent** |
| Working Reagent | 3 ml or 3000 µl | 3 ml or 3000 µl | 3 ml or 3000 µl |
| *Pre-warm to 37ᵒC for 5 min. then add:* | | | |
| Sample 1 | (100µ)0.1 ml | --- | --- |
| Sample 2 | --- | (100µ)0.1 ml | --- |

Read the absorbance (Aₒ) immediately at 400 nm against distilled water.

Then transfer to water bath at 37ᵒC.

Read the absorbance (A1) after exactly 5 min. at 400 nm against distilled water.

**Calculation:**

**Serum lipase in** Sample 1 **=** Test (A0-A1) – **Reagent** (A0- A1) x 3000

**Reagent** A0

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**Serum lipase in** Sample 2 **=** Test (A0-A1) – **Reagent** (A0- A1) x 3000

**Reagent** A0

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**Normal range:** Less than 150 U/L