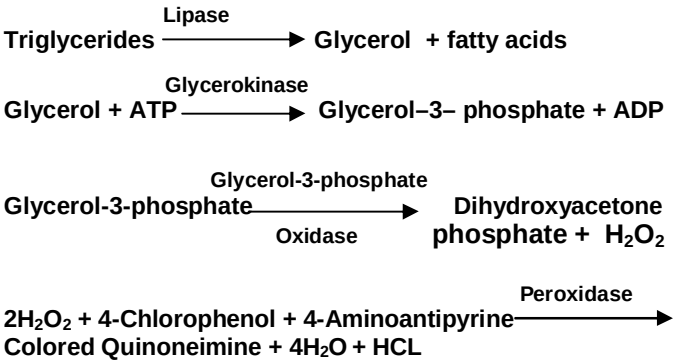
# TRIGLYCERIDES

**Enzymatic Colorimetric Method** **50 Tests**

## PRINCIPLE :




## SAMPLE :

**Serum or plasma collected in heparin, sodium fluoride, oxalate, citrate or EDTA. Hemolysis will interfere .**

## NORMAL VALUES :

**Women : 40 - 140 mg. / dL (0.46 – 1.60 mmol/L)**
**Men : 60 – 165 mg / dL (0.68 – 1.89 mmol/L)**

## REAGENTS :

| | | |
|---|---|---|
| 1. | **Standard** | 200 mg / dL (2.29 mmol/L) |
| 2. | **Buffer – Chromogen:** | |
| | Buffer pH 7.5 | 100 mmol /L |
| | 4 -Chlorophenol | 3 mmol /L |
| 3. | **Enzymes :** | |
| | Lipase | > 1000 U / L |
| | Glycerokinase | > 400 U / L |
| | Glycerol-3- phosphate oxidase | > 2000 U / L |
| | Peroxidase | > 200 U / L |
| | 4- Aminoantipyrine | 0.5 mmol / L |
| | ATP | 0.5 mmol / L |

## STABILITY :

The reagents are stable up to the expiry date specified when stored at +4 to +8 °C .

## PROCEDURE :

**Working reagent : Mix equal volumes of reagent 2 and 3 immediately befor the assay .**

| | Blank ml | Standard ml | Sample ml |
|---|---|---|---|
| **Standard** | - | 0.02 | - |
| **Sample** | - | - | 0.02 |
| **Working reagent** | 1.0 | 1.0 | 1.0 |

**Mix well. Incubate for 10 min. at 37°C. Measure the absorbances of the sample ($A_{Sample}$ ) and the standard ($A_{Standard}$ ) against blank, at 505 nm. ( 492 - 550 ) . The color intensity is stable for 30 min. Linearity up to 1000 mg / dL (11.4 mmol/L).**

## CALCULATION :

**Triglycerides Concentration**

$$= \frac{A_{Sample}}{A_{Standard}} \text{ x Standard Conc.}$$

## QUALITY CONTROL:

**For accuracy and reproducibility control: Assayed Multi-Sera Normal and Elevated.**

## REFERENCE :

**Fassati P ., Prencipe. L ( 1982 ) Clin. Chem., 28. 2077.**

BIODIAGNOSTIC
DIAGNOSTIC AND RESEARCH REAGENTS

# TRIGLYCERIDES

**Enzymatic Colorimetric Method**
**+4 to +8ºC** **50 Tests**
**In vitro diagnostic use**

**CAT. No.** **TR 20 30**

## REAGENTS

| | |
|---|---|
| **R1 Standard** | **2 ml** |
| **R2 Buffer- Chromogen** | **25 ml** |
| **R3 Enzymes** | **25 ml** |

## CONATACTS

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