

## TOTAL LIPIDS

Colorimetric Method

100 Tests

### PRINCIPLE :

Lipids react with sulfuric, phosphoric acids and vaniline to form pink colored complex .

### SAMPLE :

Serum, heparinized plasma .

### NORMAL VALUES :

400 – 1000 mg / dL .

### REAGENTS :

1.	Standard :	1000 mg / dL
2.	Color reagent :	
	Phosphoric acid	14 mol / L
	Vaniline	10 mmol / L
	Additional reagent : ( available on request )	
	Sulfuric acid, conc., A . R .	

### STABILITY :

The reagents are stable up to the expiry date specified when stored at +15 to +25 °C .  
**CLOSE BOTTLES AFTER USE .**

### PROCEDURE :

	Blank ( mL )	Standard ( mL )	Sample ( mL )
Standard	-	0.025	-
Sample	-	-	0.025
Sulfuric Acid Conc.	-	1.00	1.00
Mix well, cover the tubes with glass bead, and let stand in boiling water bath for 10 min. then cool and pipette into <b>(DRY TEST TUBES)</b> :			
From above solutions	-	0.05	0.05
Sulfuric acid conc.	0.05	-	-
Reagent 2	1.5	1.5	1.5

**Mix , let stand at room temp. for 30 min. in dark. Pour into dry cuvettes . Read the absorbances of sample ( $A_{\text{Sample}}$  ) and standard ( $A_{\text{standard}}$  ) against reagent blank within 30 min. , at 545 nm. (530 nm.- 560 nm.) Linearity up to 3000 mg/dL.**

### CALCULATION :

Total Lipids Concentration

$$(\text{mg/dl}) = \frac{A_{\text{Sample}}}{A_{\text{Standard}}} \times 1000$$

### QUALITY CONTROL:

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

### REFERENCE :

Zollner, N., & K. Kirsch ( 1962 ) : Z.ges. exp . Med. 135 : 545 .

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**Colorimetric Method**  
**+15 to +25°C**                      **100 Tests**  
**In vitro diagnostic use**

**CAT. NO.**                                      **TL 20 10**

## REAGENTS

**R1 Standard**                                      **3 ml**  
**R2 Color reagent**                                      **2 x 75 ml**

## CONTACTS

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