

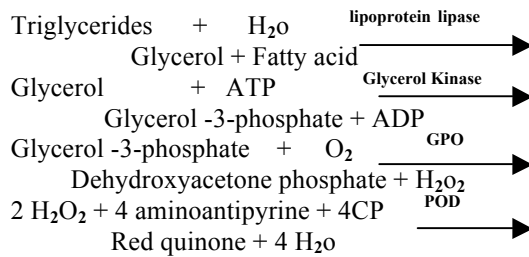
Triglycerides

Liquid Reagent

Enzymatic method GPO-PAP

Store at 2-8 °C

PRINCIPLE



REFERENCE VALUES

| | | |
|-------|--------------|------------------|
| Men | 60-220 mg/dl | 0.67-2.5 mmol/l |
| Women | 50-170 mg/dl | 0.56-1.92 mmol/l |

These range are given for orientation only, each laboratory should establish its own normal ranges.

SAMPLES

Serum, heparin plasma.
Prepare a Blank Sample if the serum is hemolysis.
Triglycerides in serum are stable for 3 days at 2-8°C.

REAGENTS

R1+R2 Concentration

| | | |
|----------------------------|------|--------|
| Pipes | 50 | mmol/l |
| Lipoprotein Lipase | 1000 | U/l |
| Glycerokinase | 400 | U/l |
| Glycerol phosphate oxydase | 2000 | U/l |
| Peroxydase | 400 | U/l |
| ATP | 1.2 | mmol/l |
| 4-Aminoantipyrine | 0.7 | mmol/l |
| 4-Chloro-phenol | 7.4 | mmol/l |

R₃ :

| | | |
|----------|-----|-------|
| Standard | 200 | mg/dl |
|----------|-----|-------|

PREPARATION OF WORKING REAGENT

Reagent R1 and R2 are ready to use. If a monoreagent procedure is preferred then the reagent must be mixed in the ration2 parts of R1 to 1 part of R2. The working reagent is stable for one month at 2-8°C

PROCEDURE

| | |
|-------------|-----------------------|
| Wavelength | 520 nm |
| Temperature | 25°C/30°C/ 37°C |
| Cuvette | 1 cm light path |
| Method | Endpoint - increasing |

| | | | |
|-----------------|-------|----------|--------|
| | Blank | Standard | Sample |
| Standard | - | - | 10 µl |
| Sample | - | 10 µl | - |
| Working reagent | 1 ml | 1 ml | 1 ml |

Mix, incubate 10 minutes at 37°C. Read the optical density (O.D). The color is stable for 1 hour at room temperature.

CALCULATION

$$\frac{\text{OD Sample}}{\text{OD Standard}} \times \text{Standard concentration}$$

LINEARITY

Up to 900 mg/dl.

SPECIFICATION

Bilirubin 0.15g/l, glucose 10g/l and ascorbic acid 0.3g/l do not interfere with the assay up to the given levels

NOTES

- If the O.D of the Reagent blank at 500 nm > 0.1 indicates a contamination or storage at higher temperature.
- Subtract 10 mg/dl from triglycerides value calculated to correct free glycerol.
- Solution 1 contains sodium azide, avoid ingestion or contact with skin.

PRESENTATION

3 X 120 ml Cat No 3201 360 Tests

BIBLIOGRAPHY

- Spay R.N. et Col. Chem.,24, 1343 (1978).
- Trinder P . Ann. Clin . BI- Chem ., 6 , 24, (1969)

The following symbols are used on labels

IVD

For in vitro diagnostic use



Use day (last day of the month)



Temperature limitation

LOT

Batch code

REF

Code