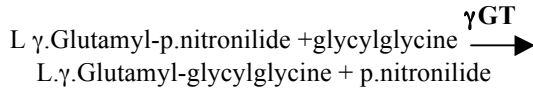


γ-GT

Liquid Reagent
Kinetic Determination GLUPA
Store at 2-8°C

PRINCIPLE

Kinetic determination of γ . Glutamyl-transferase activity according to the following reaction :



REFERENCE VALUES

	25°C	30°C	37°C
Men U/l	6- 24	8-33	10-43
Women U/l	5-20	7-29	9-37

It is recommended that each laboratory should assign its own normal range.

SAMPLES

Serum free of hemolysis.

REAGENTS

R1 + R2 : Concentration in the test :

Tris Buffer , pH 8.25	130 mmol/l
Glycylglycine	80 mmol/l
L- γ glutamyl.p.nitroanilide	4.8 mmol/l

PREPARATION OF WORKING REAGENT

Reagents R1 and R2 are ready to use. If a monoreagent procedure is preferred then the reagent must be mixed in the ration 4 parts of R1 to 1 part of R2. The working reagent is stable for one month at 2-8C. **(Avoid exposure to direct light).**

PROCEDURE

Wavelength	405 nm (400 – 420 nm)
Temperature	25°C/30°C/37°C
Zero adjustment	Against air
Cuvette	1 cm light path
Method	Kinetic - increasing

Monoreagent Procedure

Sample	0.1 ml
Working reagent (R1+R2)	1 ml

Mix and wait 1 minute, measure the optical density increase per min (Δ O.D/min.) for 3 minutes.

Bireagent Procedure

R1	0.8 ml
Sample	0.1 ml

Mix incubate for approx 1 minute and then add 0.2 ml of R2.

Mix and wait 1 minute, measure the optical density increase per min (Δ O.D/min.) for 3 minutes

CALCULATION

$$U/L = \Delta\ O.D/min \times 1111$$

LINEARITY

Up to 250 U/L

SPECIFICATION

Bilirubin 0.15g/l, lipid 10g/l, glucose 0.5g/l and ascorbic acid 0.5g/l do not interfere with the assay up to the given levels

NOTES

Citrated , oxalate and EDTA plasma can not be used in this test.

Solution 1 contains sodium azide, avoid ingestion or contact with skin.

PRESENTATION

40ml + 10 ml Cat No 1801 50 Tests

BIBLIOGRAPHY

- Szasz G., Clin. Chem., 15, 24, (1969).
- Szasz G., Clin. Chem., 22, 2051.(1976)

The following symbols are used on labels



For in vitro diagnostic use



Use day (last day of the month)



Temperature limitation



Batch code



Code