



## Gamma-GT ( $\gamma$ -Glutamyl transferase)

### DETERMINATION OF $\gamma$ -GLUTAMYL TRANSFERASE (EC 2.3.2.2) ACCORDING THE RECOMMENDATIONS OF THE IFCC

- Enzymatic Method
- Instrument Application Sheets Available
- Use Serum or Plasma
- Wavelength 405 nm

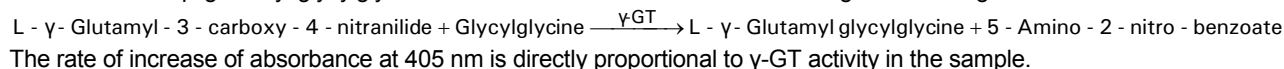


Products	Product no.	Quantity
$\gamma$ -GT Buffer	2215	6 x 100 ml
$\gamma$ -GT Reagent	2216	10 x 30 ml

## SUMMARY

### PRINCIPLE

$\gamma$ -Glutamyl transferase catalyzes the transfer of the glutamyl group from L- $\gamma$ -Glutamyl-3-carboxy-4-nitranilide to glycylglycine with the formation of  $\gamma$ -glutamyl glycylglycine and 5-amino-2-nitro-benzoate according to the following reaction:



### SAMPLE MATERIAL

Serum, plasma.  $\gamma$ -GT is very stable in serum even at 20 °C for 1 week. As precautions, samples may be refrigerated or frozen (-20 °C) for longterm preservation.

### METHOD

$\gamma$ -GT working reagent: Dissolve and mix the contents of one vial  $\gamma$ -GT Reagent (2216) in 30 ml  $\gamma$ -GT Buffer (2215). The stability of this working reagent is at least 2 weeks at 2-6 °C. The absorbance of this working reagent should not exceed 0.500.

### LINEARITY

If activities exceed 300 U/l mix 100  $\mu$ l sample with 200  $\mu$ l saline (9 g/l NaCl) and reassay. Multiply result by 3.

### QUALITY CONTROL

Pooled serum of known activity or commercially available control material with established values are recommended for control of precision and accuracy.

Products	Product no.	Quantity
Serodos (human) assayed	13951	6 x 5 ml
Serodos plus (human) assayed	13151	6 x 5 ml

### EXPECTED VALUES

Male:	Up to 45 U/l	Up to 750 nkat/l
Female (Up to 40 years):	Up to 30 U/l	Up to 500 nkat/l

### NOTES

1. For in vitro diagnostic use only.
2. For professional use only.
3. Always contact INstruChemie for the complete product insert and latest edition.
4. Printed in the Netherlands, Gamma-GT-summary-280729-1.FEN