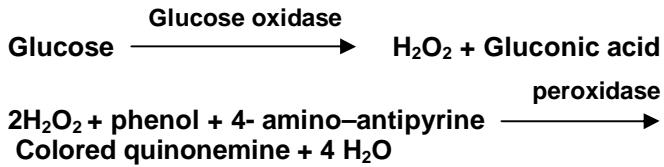


GLUCOSE

Enzymatic Colorimetric Method 200 Tests

PRINCIPLE :



SAMPLE :

Serum or plasma

NORMAL VALUES :

70 – 100 mg. / dL (3.88 – 5.55 mmol/L)

REAGENTS :

1.	Standard	100 mg / dL (5.55 mmol/L)
2.	Chromogen : Phenol	15 mmol / L
3.	Buffer – Enzymes: Phosphate buffer Glucose oxidase Peroxidase 4 – Amino antipyrine	70 mmol / L > 5000 U / L > 500 U / L 0.5 mmol / L

STABILITY :

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

PROCEDURE :

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

	Blank ml	Standard ml	Sample ml
Standard	-	0.01	-
Sample	-	-	0.01
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 510 nm. (490 - 530) . The color is stable for 30 min. Linearity up to 500 mg / dL .

CALCULATION :

Glucose Concentration

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

QUALITY CONTROL:

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

REFERENCE :

Trinder P . (1969) Ann . Clin . Biochem, 6, 24 .

GLUCOSE

Enzymatic Colorimetric Method
+4 to +8°C 200 Tests
In vitro diagnostic use

CAT. NO. GL 13 20

REAGENTS

R1 Standard	2.5 ml
R2 Chromogen	100 ml
R3 Buffer- Enzyme	100 ml

CONTACTS

Tele: 02-33385184

Mobil: 0109 – 349 20 77

Fax : 02-33385184 (102)

e.maile : info@bio-diagnostic.com

Website: www.bio-diagnostic.com

Adress: 29 Tahreer St., Dokki, Giza, Egypt