



Teco Diagnostics

Intended Use

For the quantitative determination of total glucose in human serum.

Principle

β -D-Glucose is oxidized by glucose oxidase to produce D-gluconic acid and hydrogen peroxide. The hydrogen peroxide is then oxidatively coupled with 4-aminoantipyrine and phenol substitute, pHBS, in the presence of peroxidase to yield a red quinoneimine dye. The amount of colored complex formed is proportional to glucose concentration and can be photometrically measured.

Test:

Glucose oxidase (G520-480)

Number of Tests:

480 tests
4 x 120 mL

Format:

Liquid

Method:

Enzymatic

Testing Procedure:

Manual

Storage Temperature:

2-8°C

Wavelength:

500 nm

Linearity:

500 mg/dL at 37°C

Expected Values:

70-105 mg/dL

It is strongly recommended that each laboratory establish its own range of expected values.

Reagent Deterioration :

The reagent should be discarded if: (1) Turbidity has occurred;(2) The reagent fails to meet linearity claims or fails to recover control values in the stated range.

Limitations of Procedure:

Grossly lipemic or icteric sera will cause false glucose values and require the use of a serum blank

CONTACT US:

TECO DIAGNOSTICS

1268 N. Lakeview Avenue

Anaheim, CA 92807

Tel: 714-463-1111

Fax: 714-463-1169