



Teco Diagnostics

Intended Use

For the quantitative determination of α -amylase activity in serum, plasma or urine on TC Matrix analyzers.

Principle

Galactose-Glucose-Glucose-Chloronitrophenol (Gal-G₂- α -CNP) is hydrolyzed by α -amylase to Gal-G₂ and CNP stoichiometrically. The rate of CNP formation due to substrate hydrolysis by α -amylase is proportionally correlated with α -amylase activity which is measured by following the rate of absorbance increase at 405 nm.

Test:

α -Amylase Liquid Reagent (A532-200TM)

Number of Tests:

200 tests

Format:

Liquid

Method:

Kinetic

Testing Procedure:

Automated

Storage Temperature:

2-8°C

Wavelength:

405 nm

Linearity:

2.5-400 IU/L

Expected Values:

Serum or Plasma: 12.5-62.5 IU/L

Urine: 0.5-8.5 IU/L

Reagent Deterioration:

The reagent should be discarded if: (1) Turbidity has occurred; (2) The working reagent has an absorbance of 0.70 or greater when measured against water at 405 nm.

Limitations of Procedure:

The anticoagulants potassium oxalate, sodium fluoride, sodium citrate, and EDTA were found to be incompatible with this method.

Samples showing evidence of hemolysis should not be used.

Pyruvate at a level of 2 mg/dL may cause decreased results.

CONTACT US:**TECO DIAGNOSTICS**

1268 N. Lakeview Avenue

Anaheim, CA 92807

Tel: 714-463-1111

Fax: 714-463-1169