



Teco Diagnostics

Intended Use

Creatinine reagent is used for the quantitative determination of creatinine in human serum.

Principle

Creatinine reacts with picric acid in alkaline conditions to form a color complex, which absorbs at 510 nm. The rate of formation of color is proportional to the creatinine concentration in the sample.

Test:

Creatinine Reagent Set (Kinetic) (C514-480)

Number Of Tests:

480 tests
4 x 120 mL bottles

Format:

Liquid

Method:

Kinetic

Testing Procedure:

Manual

Storage Temperature:

15-30°C

Wavelength:

510 nm

Linearity:

25 mg/dL

Expected Values:

Male serum: 0.9-1.5 mg/dL
Female Serum: 0.7-1.37 mg/dL

It is strongly suggested 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:

Albumin at a concentration of 10.0 mg/dL contributes to 0.2 mg/dL to the creatinine values.

Moderate hemolysis (0.2 gm/dL Hgb), grossly icteric and lipemic samples will give elevated results.

Acetoacetate above 10mg/dL will interfere with the results.

CONTACT US:

TECO DIAGNOSTICS

1268 N. Lakeview Avenue

Anaheim, CA 92807

Tel: 714-463-1111

Fax: 714-463-1169