



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. In the endpoint method the difference in absorbance measurements after color formation yields a creatinine value corrected for interfering substances.

CONTACT US:

TECO DIAGNOSTICS

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Test:

Creatinine Reagent Set (Direct Endpoint) (C515-480)

Number Of Tests:

480 tests
4 x 120 mL bottles

Format:

Liquid

Method:

Colorimetric, Endpoint

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

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.