

CREATININE (End Point)

(Jaffe Method)

CHEMPAK

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TEST RESULTS

$$\text{Creatinine concentration (mg/dl)} = \frac{\text{TS}}{\text{STD}} \times 2$$

Where

TS = Corrected absorbance of sample = TS₁ - TS₂

STD = Corrected absorbance of standard = STD₁ - STD₂

NORMAL VALUES

(For Serum)

Men : 0.9 - 1.4 mg/dl

Women : 0.6 - 1.2 mg/dl

LINEARITY

This method is linear upto 12 mg/dl. For sample values higher than linearity limit, dilute the sample suitably with 0.9 % saline and repeat the assay. Apply proper dilution factor to calculate the final results.

CREATININE ESTIMATION IN URINE

For Creatinine estimation in urine, dilute the sample suitably with distilled water and follow the procedure to calculate test results by applying dilution factor. A dilution of 1:15 or 1:100 is suggested

$$\begin{aligned} &\text{Creatinine concentration in urine (gms/lit)} \\ &= \frac{\text{TS}}{\text{STD}} \times 2 \times \frac{\text{Dilution factor}}{100} \end{aligned}$$

NORMAL VALUES

(For Urine)

Men : 1.0 - 2.0gms/24 hours

Women : 0.8 - 1.5gms/24 hours

AUTOMATED APPLICATION

For automated instruments, use of ENZOPAK Creatinine is recommended.

REFERENCES

1. KAPLAN A., SZABO, L.L., Clinical Chemistry: Interpretation and Techniques, Lea and Febiger, Philadelphia (1983).



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