

EXPECTED VALUES

BUN : 5 - 21 mg%
UREA : 10 - 45 mg%

The expected range varies from population to population. Normal range mentioned here may be used as a guideline only.

PROCEDURE LIMITATIONS

1. The method is linear upto 250 mg% urea nitrogen. For higher concentrations, dilute the sample by mixing one volume of the sample with one volume of distilled water, repeat the assay and multiply the result by 2.
2. Discard the working solution if absorbance of the same is less than 1.000 O.D. against distilled water at 340 nm.
3. Do not use strongly haemolysed samples.

QUALITY CONTROL

To ensure adequate quality control, it is recommended that each batch should include a normal and an abnormal commercial reference control serum. It should be realized that the use of quality control material checks both instrument and reagent functions together. Factors which might effect the performance of this test include proper instrument function, temperature control, cleanliness of glassware and accuracy of pipetting.

REFERENCES

1. Talke, H., Schubert, G. E., *Klin. Wochenschr*, 43, 174, (1965).
2. Hallet, C. J., Cook, J.G.H., *Clin. Chem. Acta* 35,33,(1971)
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4. Bretaudiere, J.P., Phung, H.J., Baily, M., *Clin.Chem.*, 22,1614 (1976)
5. Sampson, E.J., Baird, M.A., *Clin. Chem.*, 25, 1721 (1979)
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Quality Assurance - On line testing

IVD	In Vitro Diagnostic Use		Date of Manufacturing
	Consult Instructions for use		Use by (YYYY-MM-DD)
REF	Catalogue Number		Temperature Limitation
LOT	Batch Code		Manufacturer



European Conformity

AR. No.: 1 05

BN-2009-06-001



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BUN
Initial Rate

Note :

Guidelines for Direct Urea Estimation

- Input 42.8 mg% urea as standard value.
- Assay linear upto 535 mg% urea.

