

2.3 Measurement in near infra red to check turbidity (between 670 and 800, e.g., $\lambda = 750$ nm). The value should be less than 0.002.

3 STABILITY The standard is kept at 4°C. and room temperature. Its stability is controlled by repeating the purity controls at three-monthly intervals.

4 STERILITY In conformity with current practice of sterility control the contents of the ampoules of the

standard to be tested are inoculated in aerobic and anaerobic media and incubated at 22°C. and 37°C.

REFERENCES

- Braunitzer, G. (1964). *Bibl. haemat. (Basel)*, **18**, 59.
_____, Gehring-Mueller, R., Hilschmann, N., Hilse, K., Hobom, G.,
Rudloff, V., and Wittmann-Liebold, B. (1961). *Hoppe-Seylers
Z. physiol. Chem.*, **325**, 283.
Hill, R. J., and Konigsberg, W. (1962). *J. biol. Chem.*, **237**, 1549,
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 Orcutt, F. S., and Waters, R. M. (1937). *J. biol. Chem.*, **117**, 509.
 Peters, J. P., and Van Slyke, D. D. (1932). *Quantitative Clinical Chemistry*, vol. 2, (Methods), p. 229. Baillière, Tindall, and Cox, London.
 Raginsky, B. B., and Bourne, W. (1934). *Canad. med. Ass. J.*, **30**, 518.
 Ronzoni, E. (1923). *J. biol. Chem.*, **57**, 761.
 Siggard-Andersen, O. (1962). *Scand. J. clin. Lab. Invest.*, **14**, 598.
 — (1963). *Ibid.*, **15**, 211.
 —, Engel, K., Jørgensen, K., and Astrup, P. (1960). *Ibid.*, **12**, 172.
 Singer, R. B., and Hastings, A. B. (1948). *Medicine (Baltimore)*, **27**, 223.
 Skeggs, L. T. (1960). *Amer. J. clin. Path.*, **33**, 181.
 Walker, W. F., Morgan, H. G., Breckenridge, I. M., Watt, Arleen, Ogilvie, R. R., and Douglas, D. M. (1963). *Scot. med. J.*, **8**, 141.
 White, J. C. (1923). *Arch. Surg.*, **7**, 347.

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