

ABSTRACTS

uniformity of variance from test to test, as much as the mean variance, will determine the usefulness of the method. To investigate the distribution of errors in any assay involving a probit response, the mouse insulin test was chosen as being a well-established technic on which many results were available for analysis. The distribution of probits of responses out of 24 to high and low doses of insulin in routine mouse assays is approximately normal. Equally significant positive correlations hold between the responses to standard and unknown samples as between high and low doses. No significant correlation could be detected between the slopes of standard and test within assays, although in the over-all picture the two were parallel. The slope of the assays has been shown to be directly proportional to the body weight of mice, when these have not been used previously. This relationship did not appear to

apply to animals used for the second, third, or fourth time.

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ZIPF, R. E.; AND WALDO, A. L. (*Biochemical Lab., Miami Valley Hosp., Dayton, Ohio*): Spectrophotometric analysis of carbohydrates and study of anthrone reagent. *J. Lab. & Clin. Med.* 39:497-502, March 1952.

A description is given of an accurate macrospectrophotometric and microspectrophotometric analysis of glucose or carbohydrate in body fluids or other solutions with the use of the anthrone reagent. The mechanism of the color development was determined. The carbohydrate-furfural derivative condensed with the highly reactive enol tautomer, anthranol.

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DIABETES ABSTRACTS ERRATA

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| <p>p. 311 Kadota, Ichiro; and Midorikawa, Osamu. Delete line 7.</p> <p>p. 311 Kuntze, Jochim; and Otto, Hellmut. Add after third line; the menopause. The success of treatment, following</p> <p>p. 316 Reid, E. In bibliographic references, volume and page numbers should read: 8:50-55</p> <p>p. 317 Ross, E. J. Add to beginning of article: Glucose penetrates into the intraocular fluids from the plasma at a rate which is much faster than that of other</p> <p>p. 319 Sterling, Rex E.; and Day, Paul L. Title should read: Blood sugar levels and cataract in alloxan-treated, galactose-fed and xylose-fed weanling rats.</p> | <p>p. 400 Friedman, Meyer; Byers, Sanford O.; and Rosenman, Ray H. In bibliographic reference, page numbers should read: 313-15. In second line, change <i>tenia</i> to <i>temia</i>.</p> <p>p. 403 Lopes de Almeida; Ary; and Grossman, Morton I. Change first author's name to Lopes de Almeida, Ary. In bibliographic reference, page numbers should read: 554-77.</p> <p>p. 406 Rolland, C. F. Add after word <i>patients</i> which begins at end of third line and ends at beginning of fourth line; were over 50 years of age. Gangrene of the foot. In fourth line delete following: Details are given of a series of 300</p> |
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