

Analysis of an Electrochemical Blood Glucose Monitoring System with Hematocrit Compensation: Improved Accuracy by Design

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Abstract

The article entitled “Hematocrit Compensation in Electrochemical Blood Glucose Monitoring Systems” by Teodorczyk and colleagues in this issue of *Journal of Diabetes Science and Technology* demonstrates that the OneTouch® Verio™ glucose meter meets current regulatory expectations for glucose meter performance and is relatively free from interference by hematocrit. The lack of influence of hematocrit on whole blood glucose results is a valuable attribute for hospital applications, where greater variation of hematocrit among patients is anticipated. The choice of reference method for evaluation of glucose meters is an important consideration, and it is not clear to what extent reference methods used to evaluate glucose meters are also free from hematocrit interferences.

J Diabetes Sci Technol 2012;6(3):656-658

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Abbreviations: (FDA) Food and Drug Administration, (ISO) International Organization for Standardization

Keywords: glucose meter, hematocrit, reference method

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