

A1cNow™ Comparison to Quest Diagnostics Clinical Trials Laboratory December 5, 2002

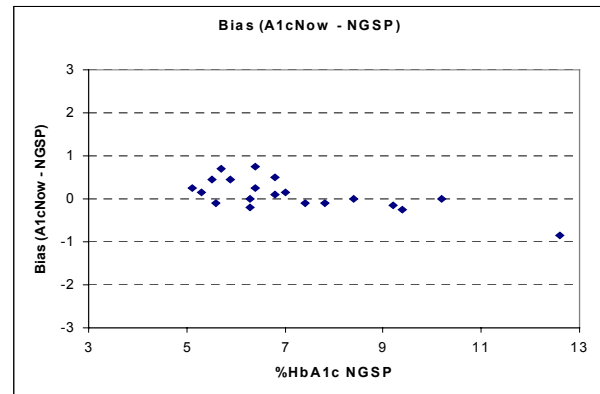
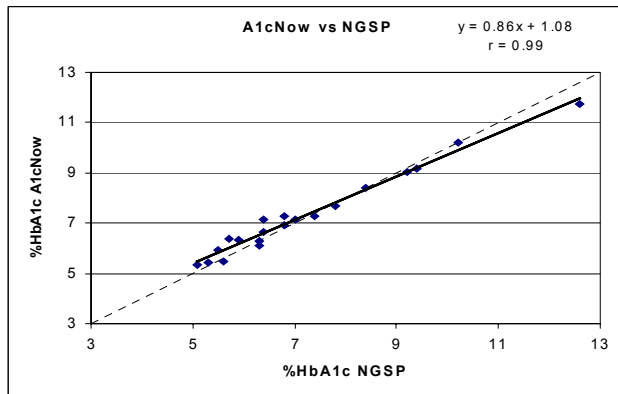
An in-house clinical study was performed at Metrika on October 14, 2002. The objective of the study was to obtain comparative data between A1cNow and Quest Diagnostics Clinical Trials Laboratory, which uses the BioRad Variant II®. Fingerstick samples were collected for A1cNow and Variant II testing. Venous samples were collected and sent to the National Glycohemoglobin Standardization Program (NGSP) Secondary Reference Laboratory in Columbia, Missouri.

Data analysis performed by Metrika showed the following: Average bias between A1cNow and the NGSP lab was small (+0.1% HbA_{1c}), **showing accuracy of approximately 98%** for this study. Bias between the Quest laboratory and A1cNow was also small, +0.2 % HbA_{1c} , as was the bias between the Quest laboratory and the NGSP laboratory, at -0.1% HbA_{1c} . Means of duplicate pairs were plotted and least-squares linear regression statistics were calculated. Regression statistics are presented in the table below.

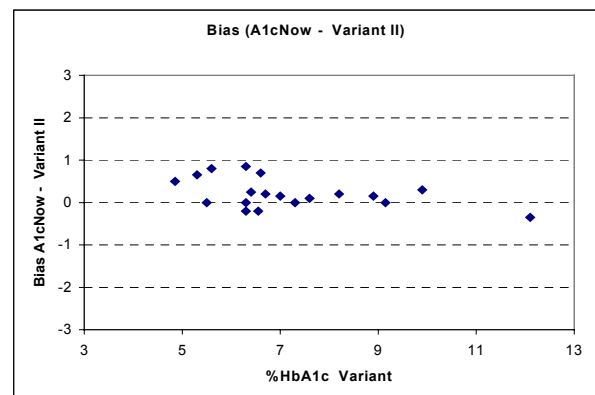
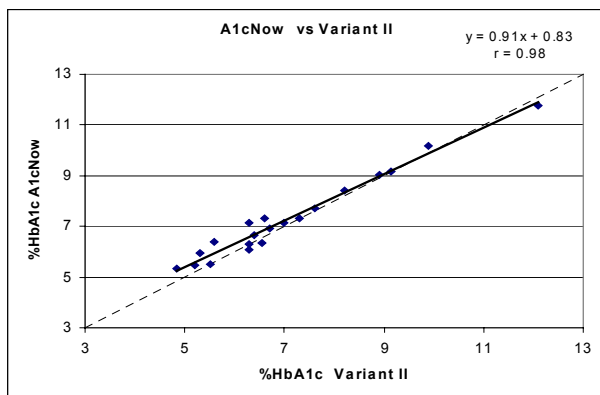
	Slope	Y-intercept	"r"	Average Bias % HbA_{1c}
A1cNow vs. NGSP	0.86x	+1.08	0.99	+0.1
A1cNow vs. Quest	0.91x	+0.83	0.98	+0.2
Quest vs. NGSP	0.94x	+0.34	0.99	-0.1

Graphic representations of the data are shown below.

A1cNow vs. NGSP



A1cNow vs. Quest



Quest vs. NGSP

