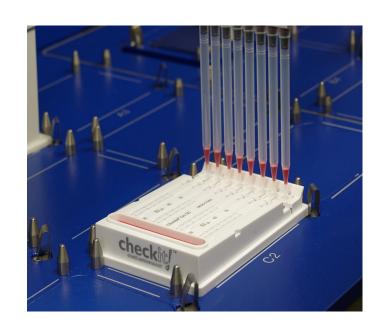
Checkit[®] Go: Validate the Accuracy of Your Liquid Handlers by Transforming Your Sample Solution to a Test Solution.

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Overview • The physical properties of different liquids **EtOH** typically vary due to their differences in density, viscosity, surface tension, etc. • These differences in physical properties of the liquids can alter their dispensed volume by a liquid handling system. • Using water as the default liquid class setting can introduce errors while dispensing most commonly dispensed sample liquids. (EtOH, DMSO, GLY, etc.) • It is best to use the sample liquids[†] as the test liquid[‡] while optimizing the liquid handlers to be precise. • The Checkit[®] Go uses capillary technology which is compatible with most typical sample liquids and concentrations.

Introduction



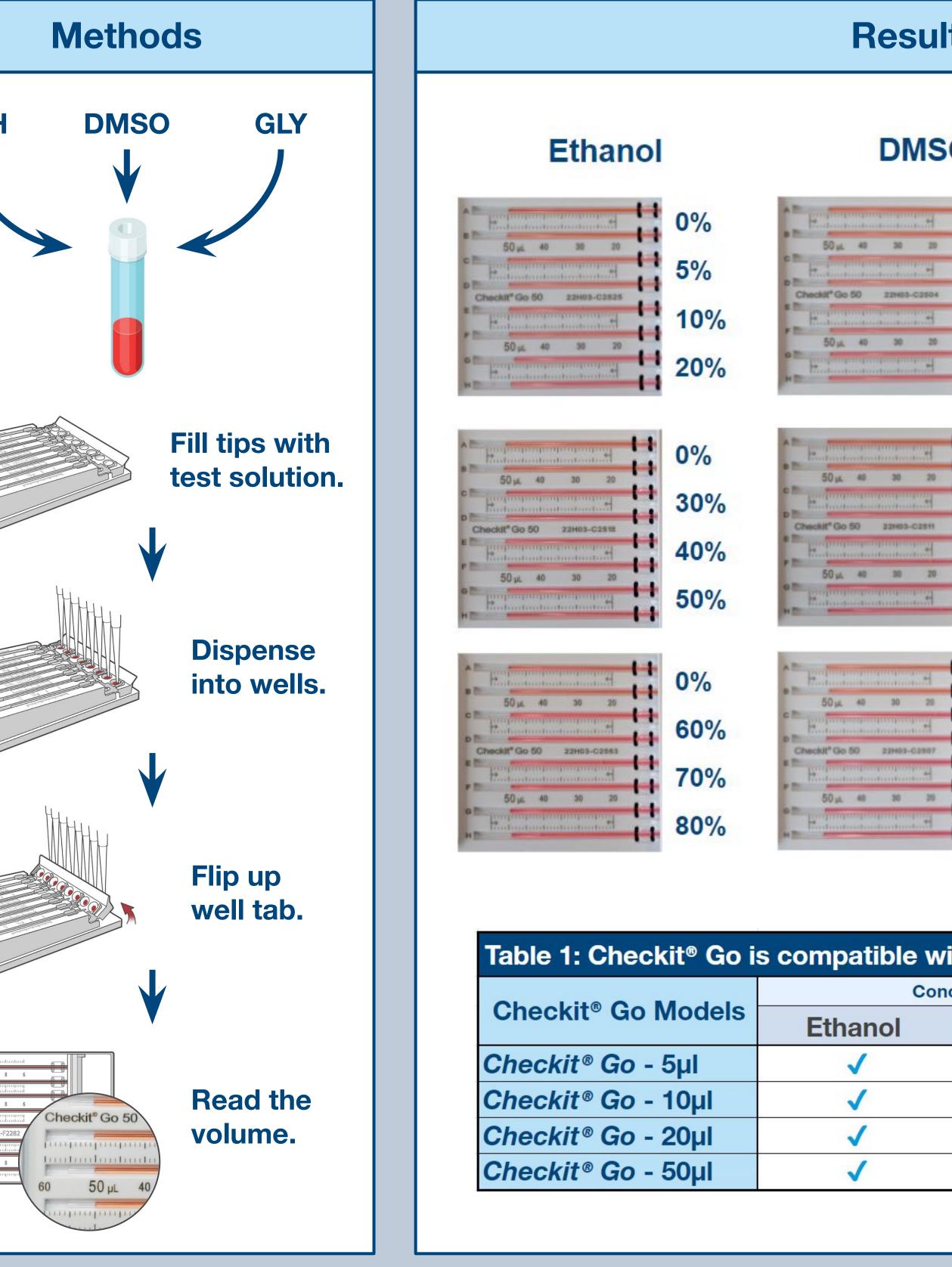
Challenge:

Test liquids used to verify the accuracy of liquid handlers should reflect the physical properties of the sample liquids.

Objective:

Determine if the Checkit[®] Go allows for the use of common sample liquids (EtOH, DMSO, GLY).





[‡] Test Liquid - the liquid used for validation.







Ition ¹ Next Advance, Inc ² Binghamton University	
lts	Discussion
50 Glycerol 6 6 6 6 6 6 6 6	 The Checkit[®] Go was compatible with ethanol, DMSO, and glycerol concentrations up to 80%. Accurate measurements were observed across all of the different Checkit[®] Go models.
20%	
1: 0%	Conclusion
0^{70} 0^{70} 0^{70} 30% 40% 30% 40% 50% 40% 50% 0^{70} 50% 0^{70} 0^{70} 50% 0^{70}	<text></text>
ncentrations Tested: 5%-80%	
DMSO Glycerol	Questions? jbeskid1@binghamton.edu
	Please Scan QR Code to access virtual poster
Demo Checkit® Go at Booth 512	

