



Glucose

Quantitative Method Comparison

For reference on this experiment see link.cualia.io/docs-qnt-mc

Experiment Details

Units: mg/L

Acceptance Criteria	Min. Samples: 20 Min. Agreement: 95% TEas: 10%
Agreement	19/20 (95%)
Range Tested	70 - 221
Pearson Correlation Coefficient (r)	0.9932
Mean Error Index	-0.4643

Pearson Correlation Coefficient (r)	0.9932 $y = 0.9996x + -6.2872$ SEE: 5.6201
Coefficient of Determination (r ²)	0.9864

Method Comparison
Passed

Samples
20

Range Tested
70 - 221

Agreement
95 %

Mean Error Index
-0.4643



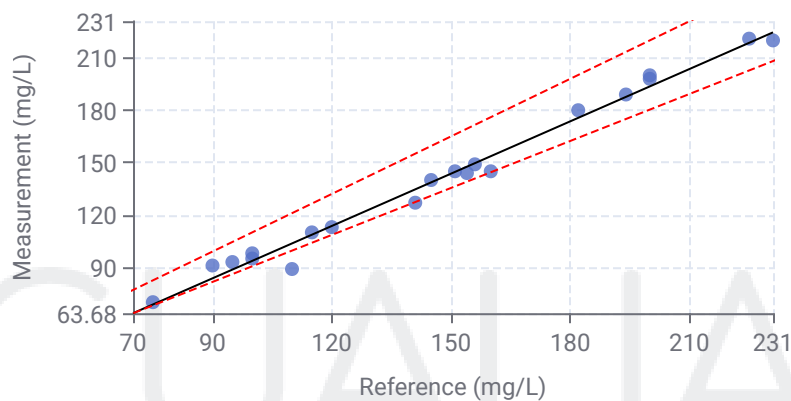


Glucose

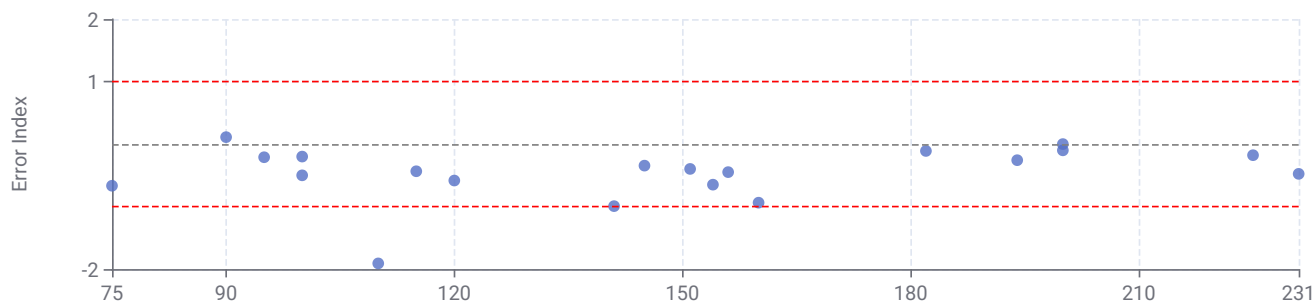
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Scatter Plot



Error Index Chart



Method Comparison
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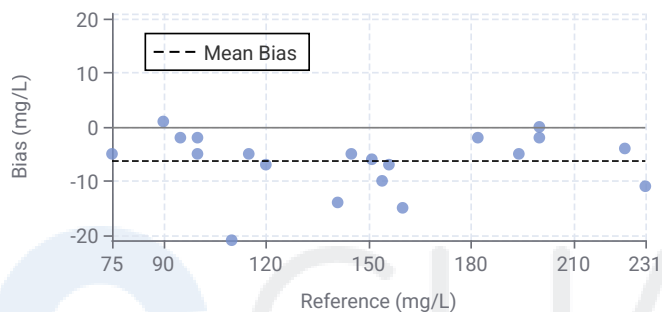


Glucose

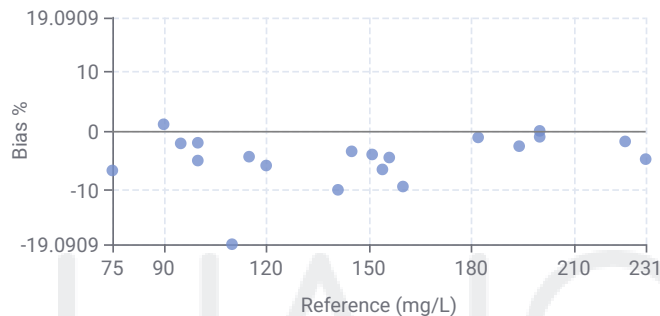
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Bias % Chart



Bias Chart



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Sample Data for GLUC Method Comparison

Label	Reference (X)	Measurement (Y)	Bias	Error Index	
MC7281	75	70	-5 (-6.6667%)	-0.6667	✓
MC7282	200	198	-2 (-1%)	-0.1	✓
MC7283	182	180	-2 (-1.0989%)	-0.1099	✓
MC7284	200	200	0 (0%)	0	✓
MC7285	231	220	-11 (-4.7619%)	-0.4762	✓
MC7286	225	221	-4 (-1.7778%)	-0.1778	✓
MC7287	115	110	-5 (-4.3478%)	-0.4348	✓
MC7288	90	91	1 (1.1111%)	0.1111	✓
MC7289	110	89	-21 (-19.0909%)	-1.9091	✗
MC7290	100	98	-2 (-2%)	-0.2	✓
MC7291	95	93	-2 (-2.1053%)	-0.2105	✓
MC7292	145	140	-5 (-3.4483%)	-0.3448	✓
MC7293	154	144	-10 (-6.4935%)	-0.6494	✓
MC7294	160	145	-15 (-9.375%)	-0.9375	✓
MC7295	194	189	-5 (-2.5773%)	-0.2577	✓
MC7296	141	127	-14 (-9.9291%)	-0.9929	✓
MC7297	156	149	-7 (-4.4872%)	-0.4487	✓
MC7298	151	145	-6 (-3.9735%)	-0.3974	✓
MC7299	100	95	-5 (-5%)	-0.5	✓

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Label	Reference (X)	Measurement (Y)	Bias	Error Index	
MC7300	120	113	-7 (-5.8333%)	-0.5833	✓



Method Comparison
Passed

Samples

20

Range Tested

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Agreement

95 %

Mean Error Index

-0.4643

