Cholesterol Total

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: Exact Match
Agreement	20/20 (100%)
Range Tested	2 - 9
Pearson Correlation Coefficient (r)	1.0000
Mean Error Index	-

Pearson Correlation Coefficient (r)	1.0000 y = 1x + 0 SEE: 0
Coefficient of Determination (r^2)	1.0000

Method Comparison

Passed

Samples
20

Agreement
100 %

Range Tested
2 - 9

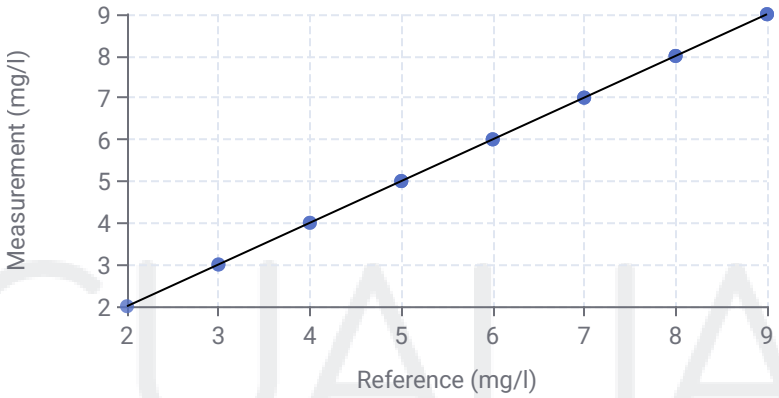
Mean Error Index
-

Cholesterol Total

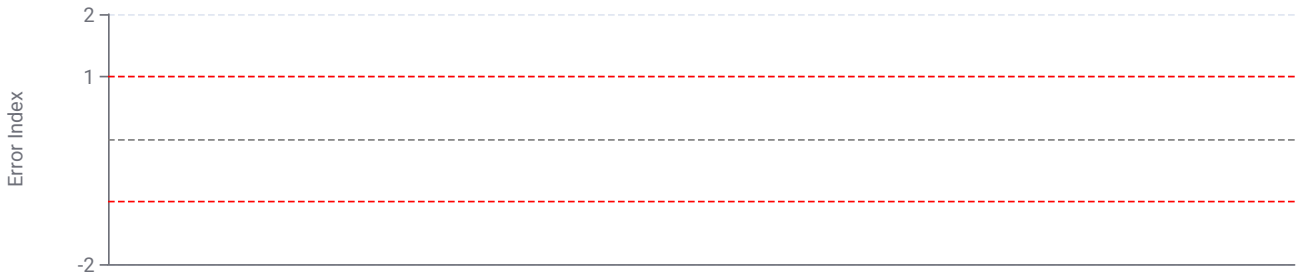
Quantitative Method Comparison

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

Scatter Plot



Error Index Chart



Method Comparison
Passed

Samples	Agreement
20	100 %

Range Tested	Mean Error Index
2 - 9	-

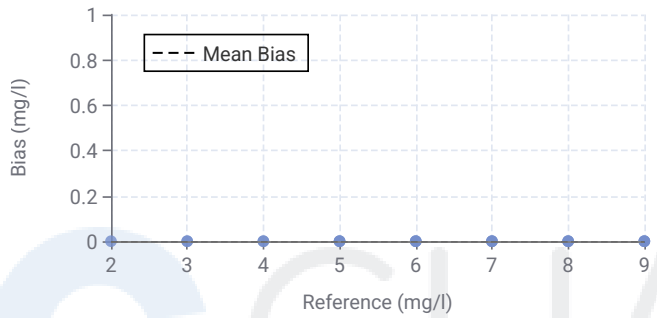
Evaluated by: Olga Chua
Date Started: 2025-03-29

Cholesterol Total

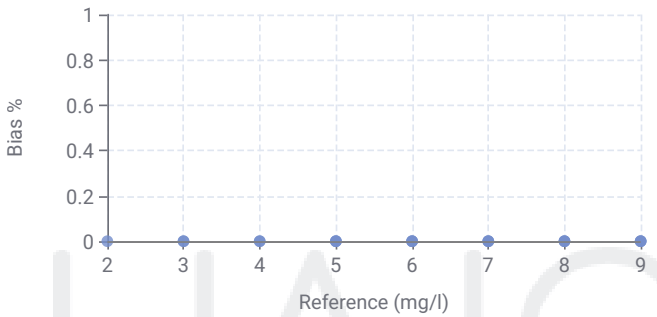
Quantitative Method Comparison

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

Bias % Chart



Bias Chart



Method Comparison

Passed

Samples
20

Agreement
100 %

Range Tested
2 - 9

Mean Error Index
-

Evaluated by: Olga Chua
Date Started: 2025-03-29

Cholesterol Total

Quantitative Method Comparison

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

Sample Data for Tot Chol. Method Comparison

Label	Reference (X)	Measurement (Y)	Bias	Error Index
L1	5	5	0 (0%)	-
L2	6	6	0 (0%)	-
L3	7	7	0 (0%)	-
L4	8	8	0 (0%)	-
L5	9	9	0 (0%)	-
L6	2	2	0 (0%)	-
L7	3	3	0 (0%)	-
L8	4	4	0 (0%)	-
L9	5	5	0 (0%)	-
L10	6	6	0 (0%)	-
L11	7	7	0 (0%)	-
L12	8	8	0 (0%)	-
L13	9	9	0 (0%)	-
L14	3	3	0 (0%)	-
L15	4	4	0 (0%)	-
L16	5	5	0 (0%)	-
L17	6	6	0 (0%)	-
L18	7	7	0 (0%)	-
L19	8	8	0 (0%)	-

Method Comparison

Passed

Samples

20

Agreement

100 %

Range Tested

2 - 9

Mean Error Index

-

Cholesterol Total

Quantitative Method Comparison

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

Label	Reference (X)	Measurement (Y)	Bias	Error Index
L20	9	9	0 (0%)	-

Method Comparison

Passed

Samples
20

Agreement
100 %

Range Tested
2 - 9

Mean Error Index
-

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

Agreement
95 %

Range Tested
70 - 221

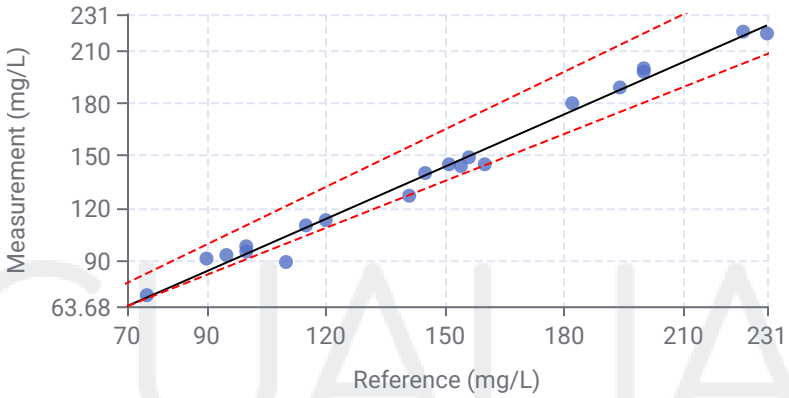
Mean Error Index
-0.4643

Glucose

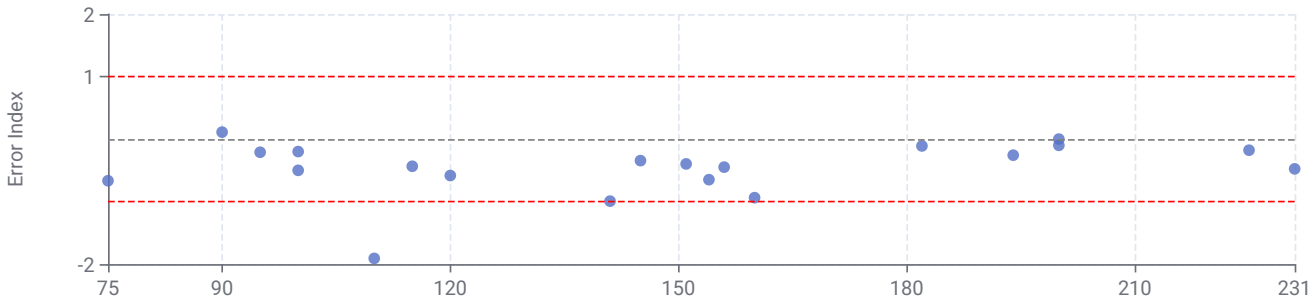
Quantitative Method Comparison

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

Scatter Plot



Error Index Chart



Method Comparison

Passed

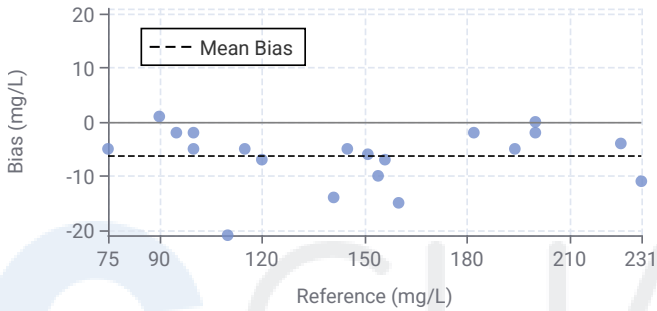
Samples	Agreement
20	95 %
Range Tested	**Mean Error Index**
70 - 221	-0.4643

Glucose

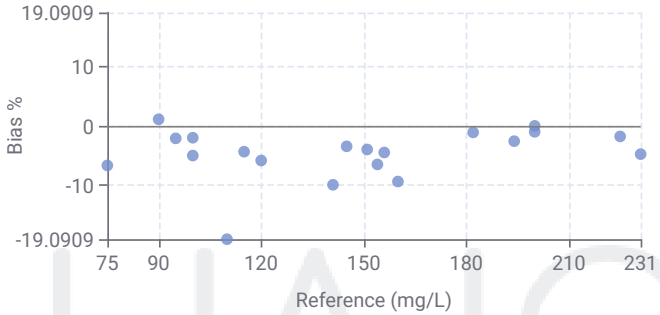
Quantitative Method Comparison

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

Bias % Chart



Bias Chart



Method Comparison

Passed

Samples
20

Agreement
95 %

Range Tested
70 - 221

Mean Error Index
-0.4643

Glucose

Quantitative Method Comparison

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

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

Method Comparison

Passed

Samples
20

Agreement
95 %

Range Tested
70 - 221

Mean Error Index
-0.4643

Glucose

Quantitative Method Comparison

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

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

Method Comparison

Passed

Samples
20

Agreement
95 %

Range Tested
70 - 221

Mean Error Index
-0.4643

Creatinine

Quantitative Method Comparison

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

Experiment Details

Units: mg/dL

Acceptance Criteria	Min. Samples: 20 Min. Agreement: 95% TEas: 0.5 or 10%
Agreement	20/20 (100%)
Range Tested	1.8 - 2.5
Pearson Correlation Coefficient (r)	0.9621
Mean Error Index	-0.35

Pearson Correlation Coefficient (r)	0.9621 y = 0.9144x + 0.0168 SEE: 0.05
Coefficient of Determination (r^2)	0.9257

Method Comparison Passed

Samples
20

Agreement
100 %

Range Tested
1.8 - 2.5

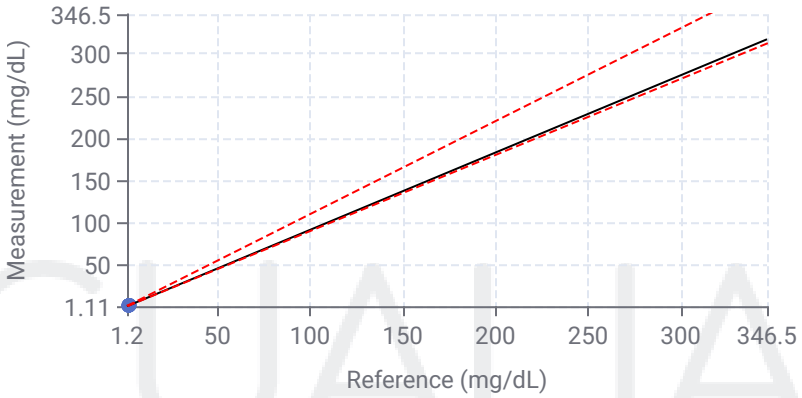
Mean Error Index
-0.35

Creatinine

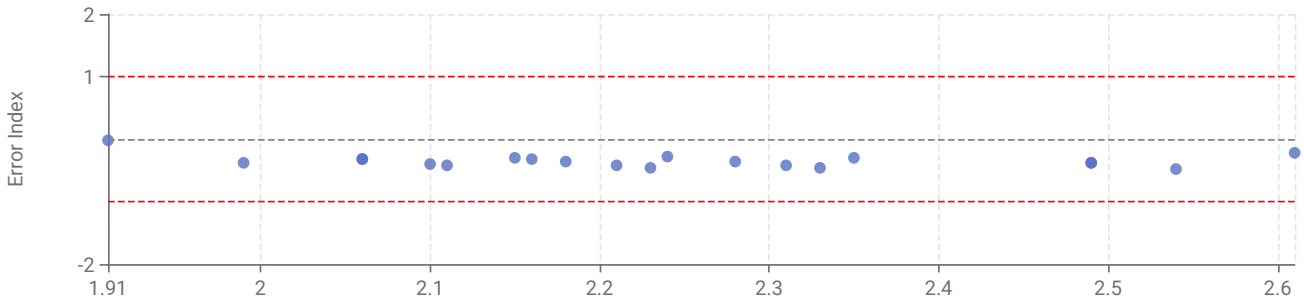
Quantitative Method Comparison

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

Scatter Plot



Error Index Chart



Method Comparison

Passed

Samples	Agreement
20	100 %

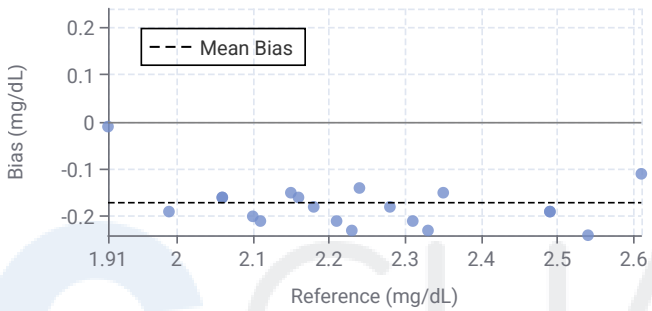
Range Tested	Mean Error Index
1.8 - 2.5	-0.35

Creatinine

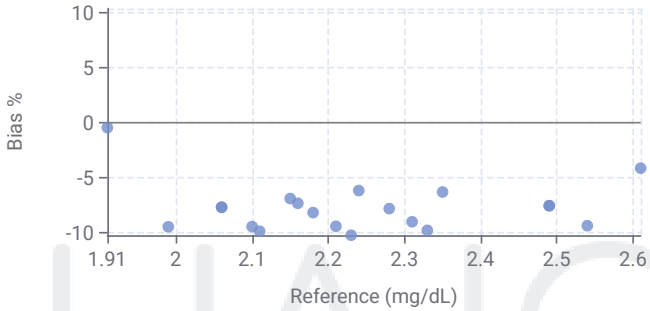
Quantitative Method Comparison

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

Bias % Chart



Bias Chart



Method Comparison

Passed

Samples
20

Agreement
100 %

Range Tested
1.8 - 2.5

Mean Error Index
-0.35

Creatinine

Quantitative Method Comparison

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

Sample Data for Crea Method Comparison

Label	Reference (X)	Measurement (Y)	Bias	Error Index
MC7281	2.21	2	-0.21 (-9.5023%)	-0.42
MC7282	2.15	2	-0.15 (-6.9767%)	-0.3
MC7283	2.28	2.1	-0.18 (-7.8947%)	-0.36
MC7284	2.16	2	-0.16 (-7.4074%)	-0.32
MC7285	2.49	2.3	-0.19 (-7.6305%)	-0.38
MC7286	2.18	2	-0.18 (-8.2569%)	-0.36
MC7287	2.24	2.1	-0.14 (-6.25%)	-0.28
MC7288	2.06	1.9	-0.16 (-7.767%)	-0.32
MC7289	2.61	2.5	-0.11 (-4.2146%)	-0.22
MC7290	2.11	1.9	-0.21 (-9.9526%)	-0.42
MC7291	2.31	2.1	-0.21 (-9.0909%)	-0.42
MC7292	2.49	2.3	-0.19 (-7.6305%)	-0.38
MC7293	2.23	2	-0.23 (-10.3139%)	-0.46
MC7294	2.06	1.9	-0.16 (-7.767%)	-0.32
MC7295	2.1	1.9	-0.2 (-9.5238%)	-0.4
MC7296	2.35	2.2	-0.15 (-6.383%)	-0.3
MC7297	2.54	2.3	-0.24 (-9.4488%)	-0.48
MC7298	1.91	1.9	-0.01 (-0.5236%)	-0.02
MC7299	1.99	1.8	-0.19 (-9.5477%)	-0.38

Method Comparison

Passed

Samples
20

Agreement
100 %

Range Tested
1.8 - 2.5

Mean Error Index
-0.35

Creatinine

Quantitative Method Comparison

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

Label	Reference (X)	Measurement (Y)	Bias	Error Index
MC7300	2.33	2.1	-0.23 (-9.8712%)	-0.46

Method Comparison

Passed

Samples
20

Agreement
100 %

Range Tested
1.8 - 2.5

Mean Error Index
-0.35

Anti-Human Immunodeficiency virus

Qualitative Method Comparison

Experiment Details

Acceptance Criteria	Min. Samples: 20 Min. Agreement: 95 %
Samples	20
Agreement	19 / 20 (95 %)

Method Comparison
Passed

Samples
20

Agreement
95 %

Anti-Human Immunodeficiency virus

Qualitative Method Comparison

Sample Data for Anti-HIV Method Comparison

Label	Comment	Reference (X)	Measurement (Y)	Status
		Pos	Pos	✓
		Pos	Pos	✓
		Neg	Neg	✓
		Neg	Neg	✓
		Neg	Neg	✓
		Neg	Neg	✓
		Neg	Neg	✓
		Pos	Pos	✓
		Pos	Pos	✓
		Neg	Neg	✓
		Pos	Pos	✓
		Pos	Pos	✓
		Pos	Pos	✓
		Pos	Pos	✗
		Pos	Pos	✓
		Pos	Pos	✓
		Neg	Neg	✓
		Pos	Pos	✓
		Pos	Pos	✓
		Neg	Neg	✓

Method Comparison
Passed

Samples
20

Agreement
95 %

Anti Hepatitis B

Qualitative Method Comparison

Experiment Details

Acceptance Criteria	Min. Samples: 20 Min. Agreement: 95 %
Samples	20
Agreement	19 / 20 (95 %)

Method Comparison
Passed

Samples
20

Agreement
95 %

Anti Hepatitis B

Qualitative Method Comparison

Sample Data for AntiHB Method Comparison

Label	Comment	Reference (X)	Measurement (Y)	Status
		Neg	Neg	✓
		Pos	Pos	✓
		Neg	Neg	✓
		Pos	Pos	✓
		Neg	Neg	✗
		Pos	Pos	✓
		Pos	Pos	✓
		Pos	Pos	✓
		Pos	Pos	✓
		Neg	Neg	✓
		Neg	Neg	✓
		Neg	Neg	✓
		Neg	Neg	✓
		Neg	Neg	✓
		Neg	Neg	✓
		Neg	Neg	✓
		Neg	Neg	✓
		Neg	Neg	✓
		Neg	Neg	✓

Method Comparison
Passed

Samples
20

Agreement
95 %

Syphillis

Qualitative Method Comparison

Experiment Details

Acceptance Criteria	Min. Samples: 20 Min. Agreement: 95 %
Samples	20
Agreement	19 / 20 (95 %)

Method Comparison
Passed

Samples
20

Agreement
95 %

Syphillis
Qualitative Method Comparison

Sample Data for SYPH Method Comparison

Label	Comment	Reference (X)	Measurement (Y)	Status
		Pos	Pos	✓
		Pos	Pos	✓
		Pos	Pos	✓
		Pos	Pos	✓
		Neg	Neg	✓
		Neg	Neg	✓
		Neg	Neg	✓
		Neg	Neg	✓
		Neg	Neg	✓
		Neg	Neg	✓
		Neg	Neg	✓
		Pos	Pos	✓
		Pos	Pos	✓
		Pos	Pos	✓
		Pos	Pos	✓
		Neg	Neg	✓
		Neg	Neg	✓
		Neg	Neg	✓
		Pos	Pos	✓
		Pos	Pos	✗
		Pos	Pos	✓

Method Comparison
Passed

Samples
20

Agreement
95 %