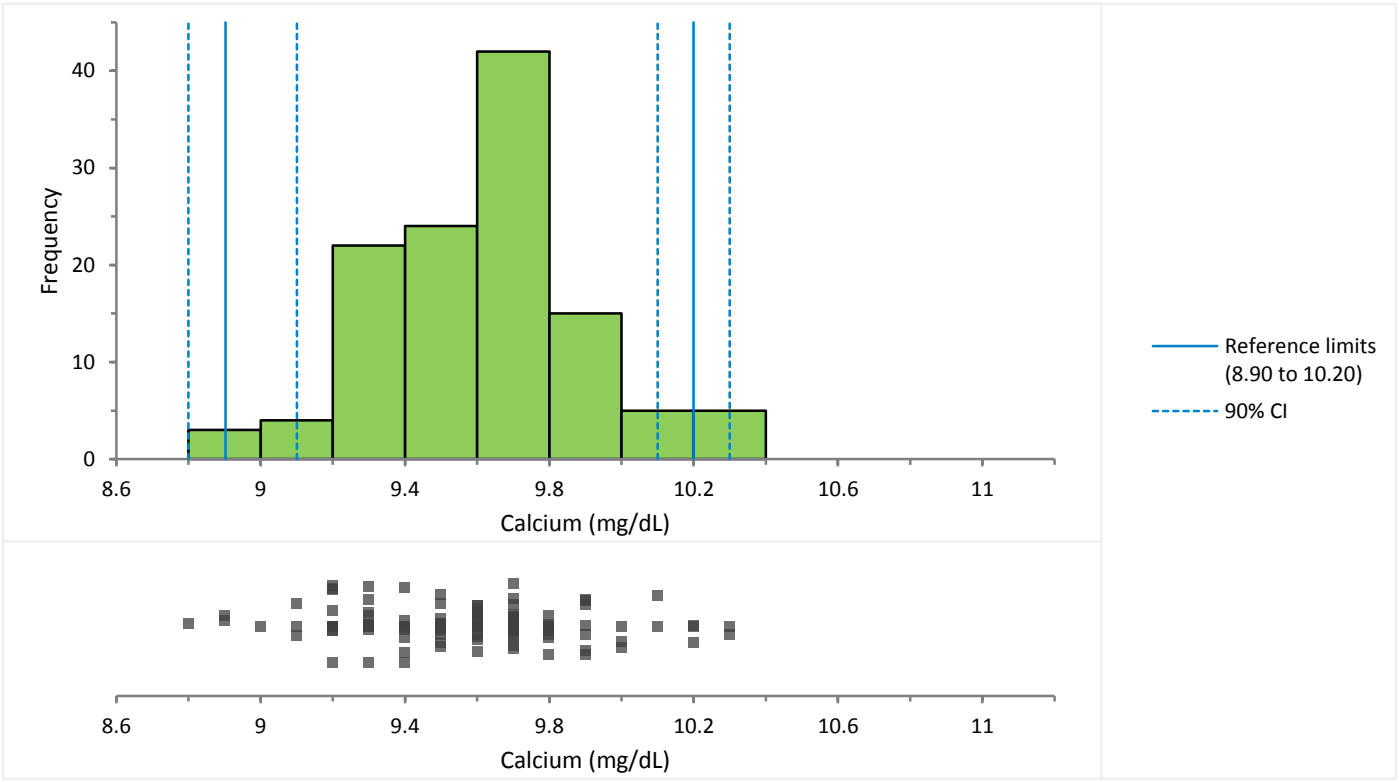
Reference interval: Calcium (F)

Analyse-it v4.00

CLSI EP28-A3C - Table 4

Last updated 23 June 2015 at 15:10 by Simon Huntington

Distribution



N	120

	Mean	SD	Skewness	Kurtosis
Calcium (mg/dL)	9.57	0.29	0.0	0.22

	Minimum	1st quartile	Median	3rd quartile	Maximum	IQR
Calcium (mg/dL)	8.8	9.40	9.60	9.70	10.3	0.30

Reference Limits

	Limit	90% CI
2.50%	8.90	8.80 to 9.10
97.50%	10.20	10.10 to 10.30

Limits based on (N + 1)p quantile.

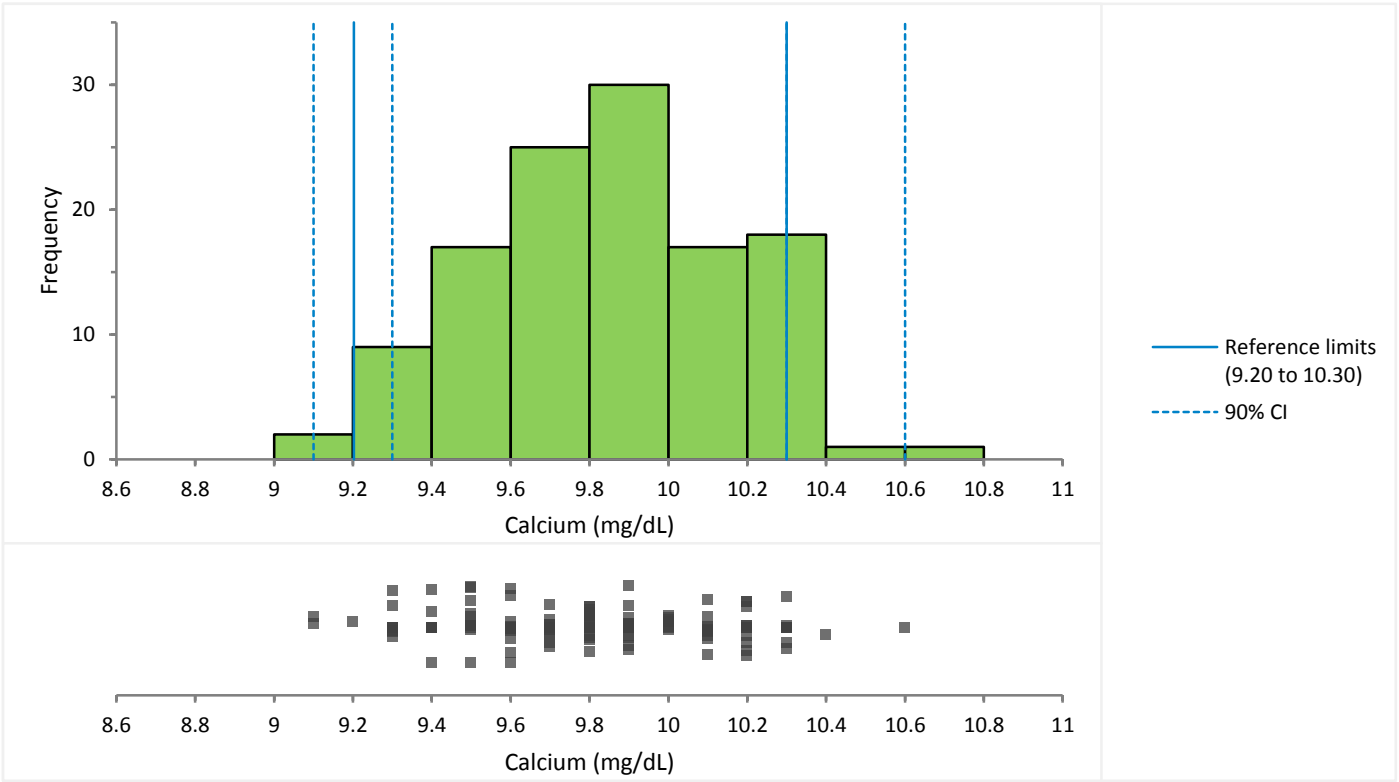
Reference interval: Calcium (M)

Analyse-it v4.00

CLSI EP28-A3C - Table 4

Last updated 23 June 2015 at 15:10 by Simon Huntington

Distribution



	N
	120

	Mean	SD	Skewness	Kurtosis
Calcium (mg/dL)	9.80	0.31	0.0	-0.60

	Minimum	1st quartile	Median	3rd quartile	Maximum	IQR
Calcium (mg/dL)	9.1	9.60	9.80	10.06	10.6	0.46

Reference Limits

	Limit	90% CI
2.50%	9.20	9.10 to 9.30
97.50%	10.30	10.30 to 10.60

Limits based on (N + 1)p quantile.

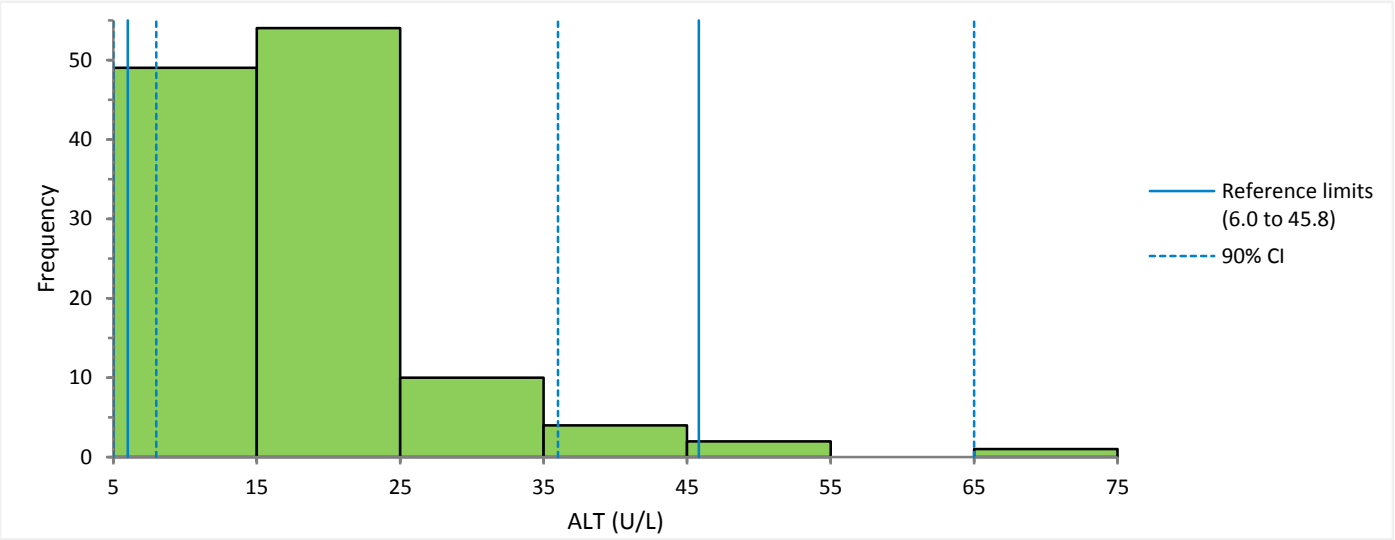
Reference interval: ALT (Female)

Analyse-it v4.00

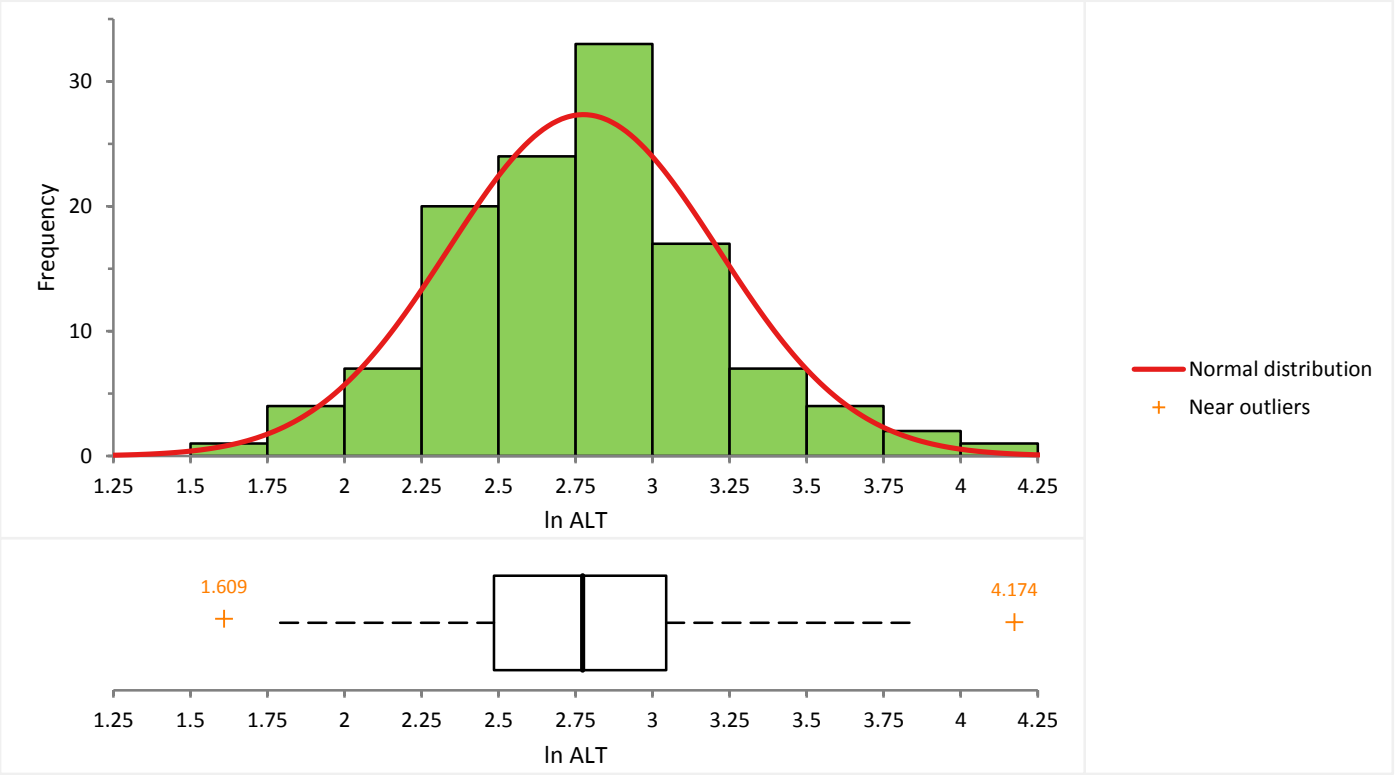
CLSI EP28-A3C - Table 5

Last updated 23 June 2015 at 15:10 by Simon Huntington

Distribution



Transformed



N	120
Transform	Natural logarithm

Reference interval: ALT (Female)

Analyse-it v4.00

CLSI EP28-A3C - Table 5

Last updated 23 June 2015 at 15:10 by Simon Huntington

	Mean	SD	Skewness	Kurtosis
ALT (U/L)	17.7	8.8	2.2	7.80
ln	2.7753	0.4376	0.2	0.85

Reference Limits

	Limit	90% CI
2.50%	6.0	5.0 to 8.0
97.50%	45.8	36.0 to 65.0

Limits based on (N + 1)p quantile.

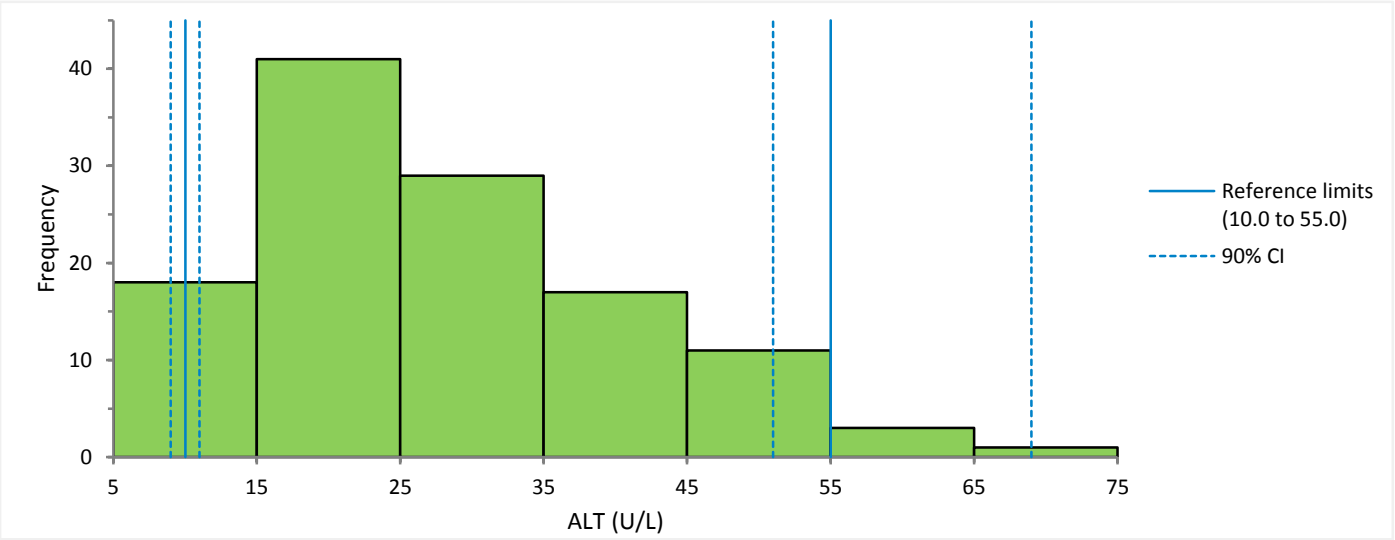
Reference interval: ALT (Male)

Analyse-it v4.00

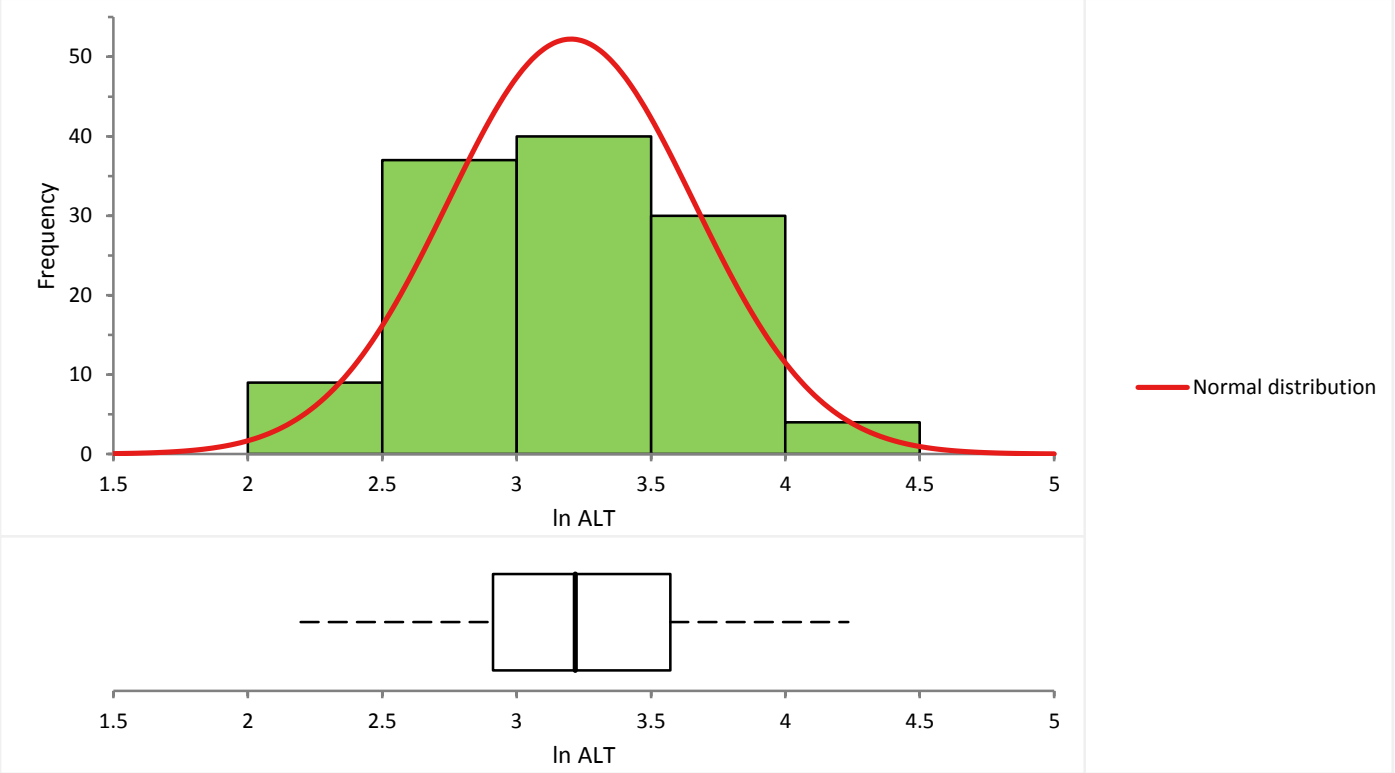
CLSI EP28-A3C - Table 5

Last updated 23 June 2015 at 15:10 by Simon Huntington

Distribution



Transformed



N	120
Transform	Natural logarithm

Reference interval: ALT (Male)

Analyse-it v4.00

CLSI EP28-A3C - Table 5

Last updated 23 June 2015 at 15:10 by Simon Huntington

	Mean	SD	Skewness	Kurtosis
ALT (U/L)	27.3	12.6	0.9	0.40
ln	3.2023	0.4582	0.0	-0.65

Reference Limits

	Limit	90% CI
2.50%	10.0	9.0 to 11.0
97.50%	55.0	51.0 to 69.0

Limits based on (N + 1)p quantile.

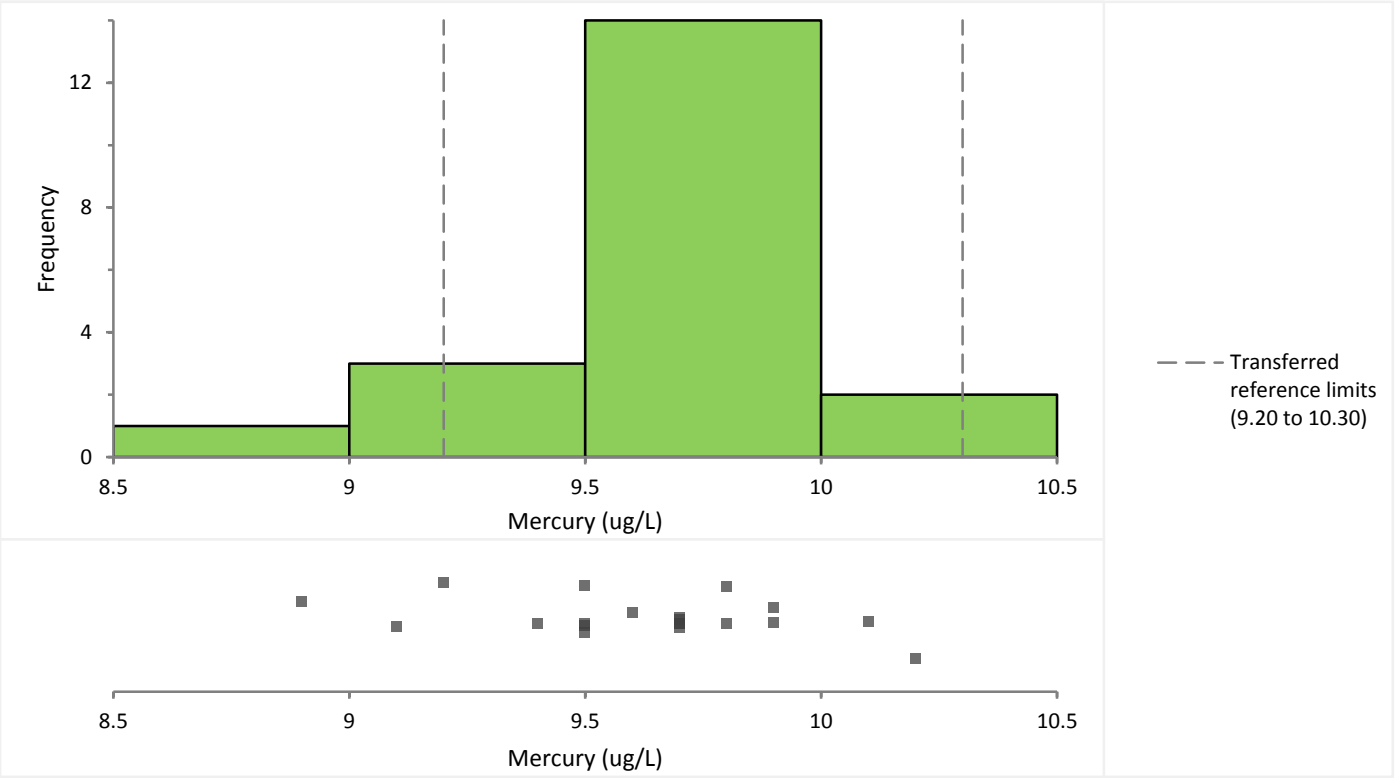
Reference interval: Mercury (Female)

Analyse-it v4.00

CLSI EP28-A3C

Last updated 23 June 2015 at 15:09 by Simon Huntington

Distribution



N	20

Transference

	95% reference interval
Transferred	9.20 to 10.30
Proportion inside limits	0.90
Binomial test	
Hypothesized value	0.95
B statistic	18
Exact p-value	0.2642 [1]

H0: $\pi \geq 0.95$
The proportion of values inside the reference interval is greater than or equal to 0.95.
H1: $\pi < 0.95$
The proportion of values inside the reference interval is less than 0.95.

[1] Do not reject the null hypothesis at the 10% significance level.

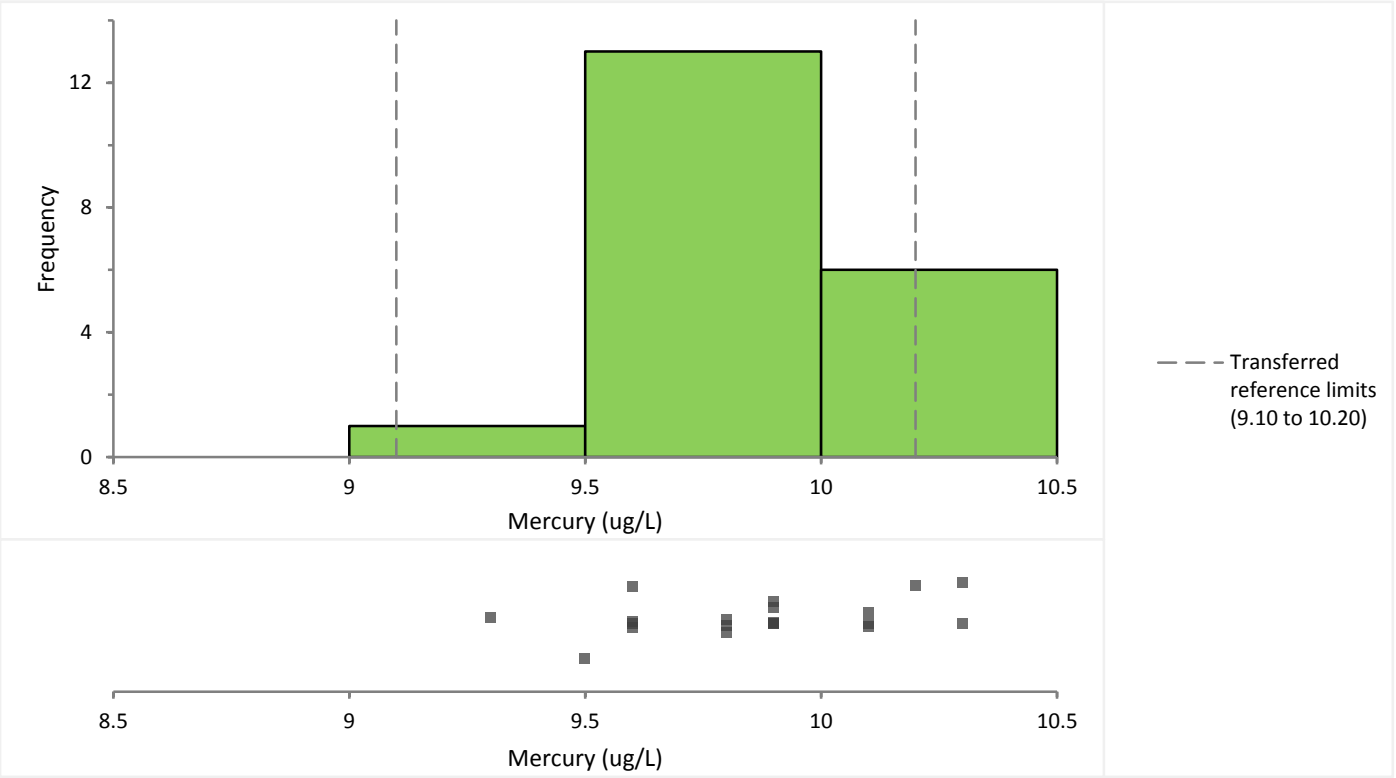
Reference interval: Mercury (Male)

Analyse-it v4.00

CLSI EP28-A3C

Last updated 23 June 2015 at 15:09 by Simon Huntington

Distribution



N	20

Transference

	95% reference interval
Transferred	9.10 to 10.20
Proportion inside limits	0.90

Binomial test

Hypothesized value	0.95
B statistic	18
Exact p-value	0.2642 [1]

H0: $\pi \geq 0.95$
The proportion of values inside the reference interval is greater than or equal to 0.95.
H1: $\pi < 0.95$
The proportion of values inside the reference interval is less than 0.95.

[1] Do not reject the null hypothesis at the 10% significance level.

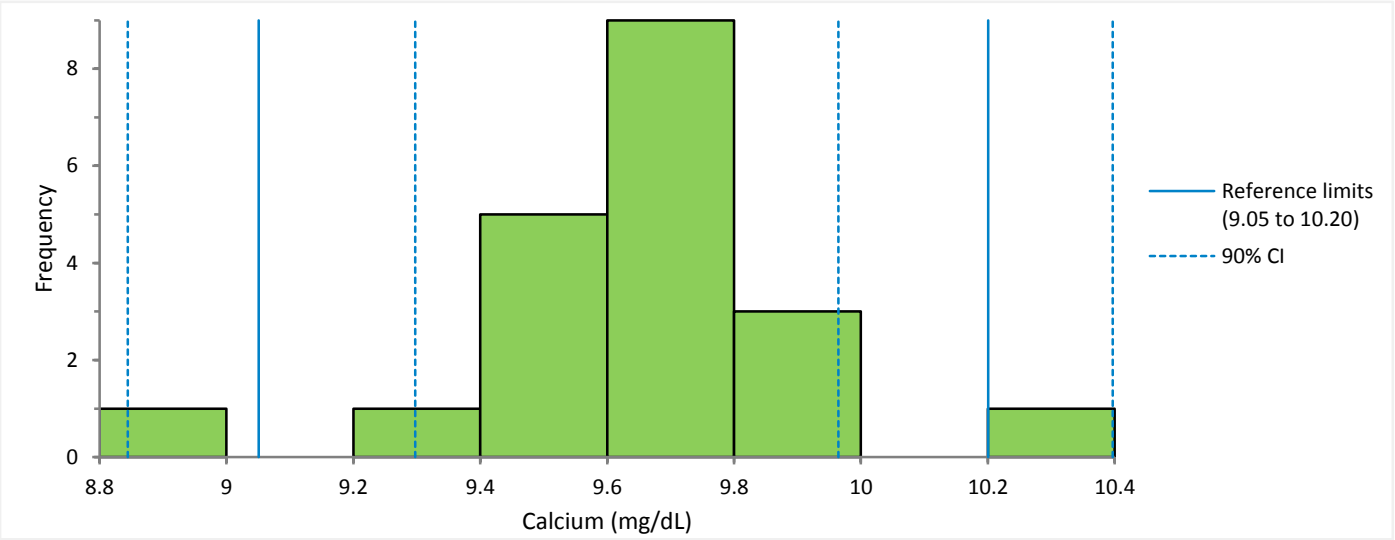
Reference interval: Calcium

Analyse-it v4.00

CLSI EP28-A3C - Appendix B

Last updated 23 June 2015 at 15:10 by Simon Huntington

Distribution



N	20

Reference Limits

	Limit	Bootstrap 90% CI
2.50%	9.05	8.84 to 9.30
97.50%	10.20	9.96 to 10.40

Limits based biweight prediction interval.
CI based on 500 bootstrap samples.