

**IFCC BSZ**

**ZAMBIAN QUALITY ASSURANCE PROJECT**

**RESULTS FOR Sample 102-11**

**Results compared to other Zambian laboratories  
in the survey.**

**LABORATORY**

**SURVEY CONDUCTED, NOVEMBER, 2018**

Program developed & written by Dr Renze Bais  
Sydney, Australia  
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Version 2.03  
Report Printed 2018-12-04

**IFCC BSZ**

**ZAMBIAN QUALITY ASSURANCE PROJECT**

**RESULTS FOR Sample 102-11**

**Results compared to Worldwide laboratory data.**

**LABORATORY**

**SURVEY CONDUCTED, OCTOBER, 2018**

Program developed & written by Dr Renze Bais  
Sydney, Australia  
renzebais@rbaisconsulting.com  
Version 1.21  
Report Printed 2018-12-04

## Sample Plots

The following graphs show your results compared to the other  
Zambian laboratories in the survey

The closer your result is to the middle of the graph, the better.

The histogram shows the results for this sample.

The lower graph is a summary over the whole survey and further results  
are added for each sample throughout the year.

The red line represents median +/- 2 standard deviations which  
has been calculated from the results of all laboratories.

Outside the red lines means your result is not acceptable  
and should be reviewed.

\*\* Your laboratory result is shown as the diamond symbol \*\*

# means your result is out of range of the results

## Sample Plots

The following graphs show your results compared to all  
Worldwide laboratories in the survey - at least 500 for each analyte.

The closer your result is to the middle of the graph, the better.

The histogram shows the results for this sample.

The lower graph is a summary over the whole survey and further results  
are added for each sample throughout the year.

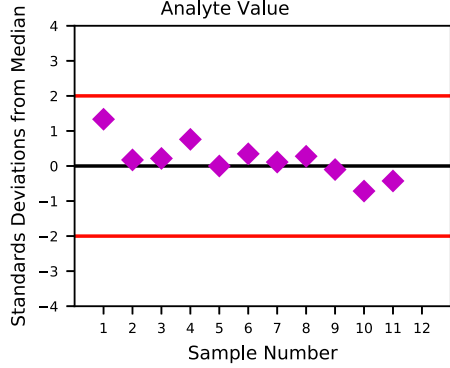
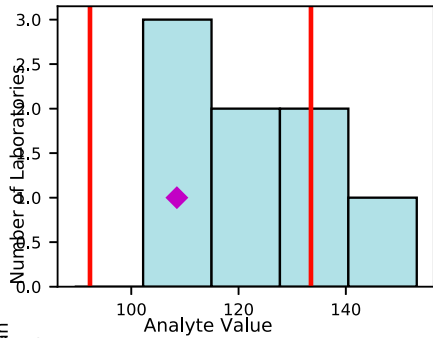
The red line represents median +/- 2 standard deviations which  
has been calculated from the results of all laboratories.

Outside the red lines means your result is not acceptable  
and should be reviewed.

\*\* Your laboratory result is shown as the diamond symbol \*\*

# means your result is out of range of the results

### Sodium



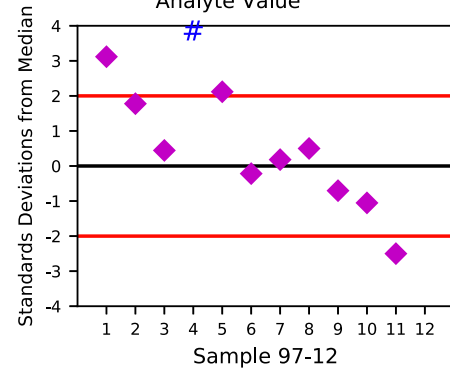
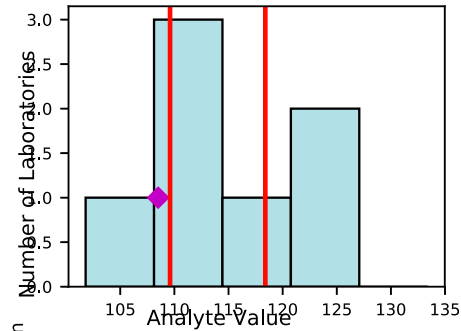
### Sample 102-11

Your result 108.5  
 Median 112.90  
 Standard Deviation 10.303  
 Your SDI -0.43

Total number of results 8

NB: Standard deviation index (SDI) is defined as the fraction of the standard deviation your result is from the median value of all results.

### Sodium



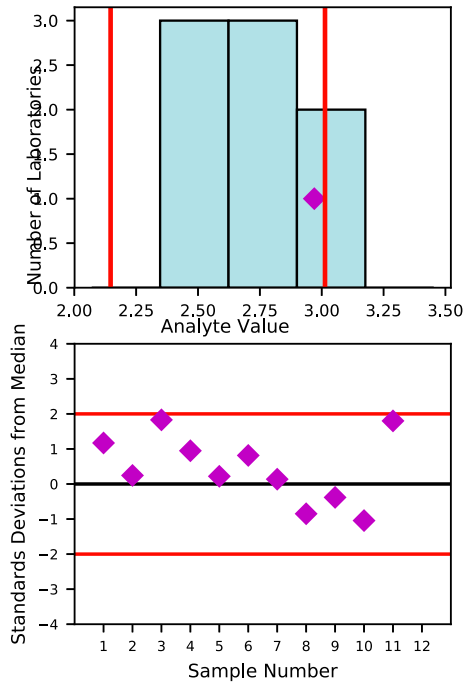
### Sample 102-11

Your result 108.5  
 Median 114.00  
 Standard Deviation 2.200  
 Your SDI -2.50

Total number of results > 500

NB: Standard deviation index (SDI) is defined as the fraction of the standard deviation your result is from the median value of all results.

### Potassium



### Sample 102-11

Your result 2.97

Median 2.58

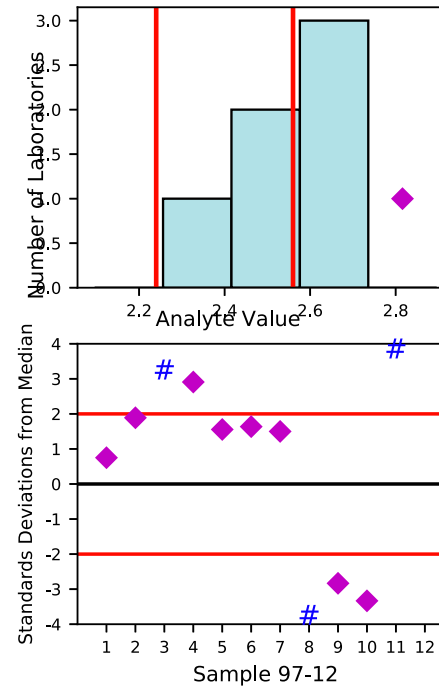
Standard Deviation 0.217

Your SDI 1.80

Total number of results 9

NB: Standard deviation index (SDI) is defined as the fraction of the standard deviation your result is from the median value of all results.

### Potassium



### Sample 102-11

Your result 2.97

Median 2.40

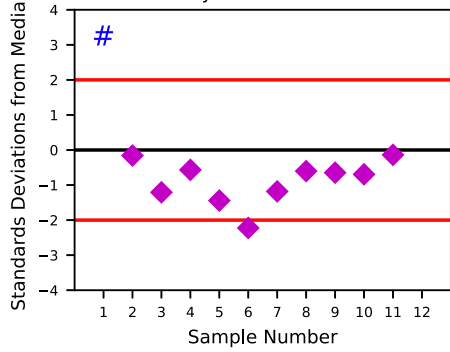
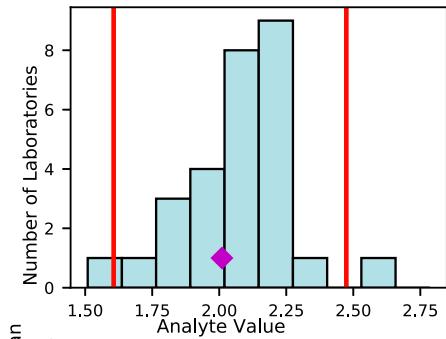
Standard Deviation 0.080

Your SDI 7.13

Total number of results > 500

NB: Standard deviation index (SDI) is defined as the fraction of the standard deviation your result is from the median value of all results.

### Glucose



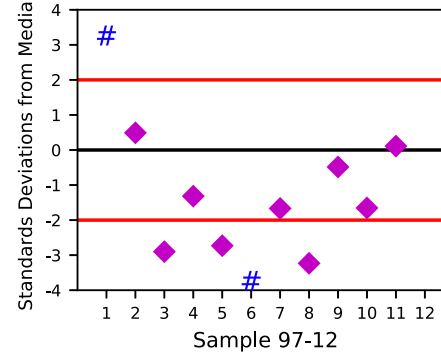
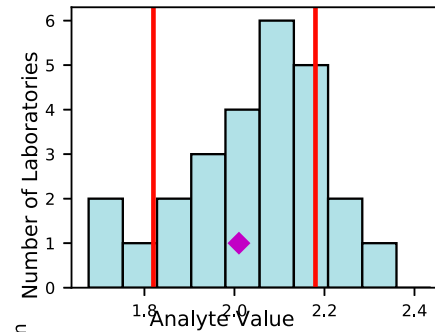
### Sample 102-11

Your result 2.01  
 Median 2.04  
 Standard Deviation 0.217  
 Your SDI -0.14

Total number of results 29

NB: Standard deviation index (SDI) is defined as the fraction of the standard deviation your result is from the median value of all results.

### Glucose



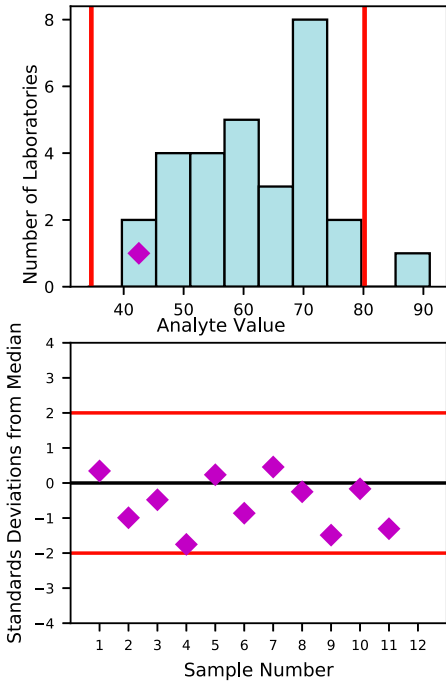
### Sample 102-11

Your result 2.01  
 Median 2.00  
 Standard Deviation 0.090  
 Your SDI 0.11

Total number of results > 500

NB: Standard deviation index (SDI) is defined as the fraction of the standard deviation your result is from the median value of all results.

### Creatinine



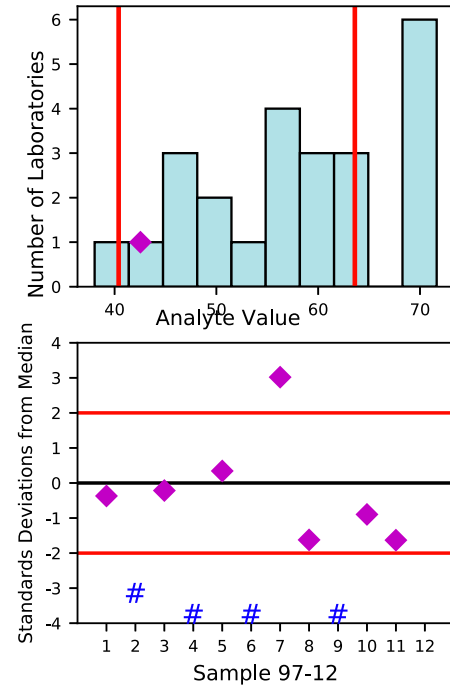
### Sample 102-11

Your result 42.54  
 Median 57.40  
 Standard Deviation 11.394  
 Your SDI -1.30

Total number of results 29

NB: Standard deviation index (SDI) is defined as the fraction of the standard deviation your result is from the median value of all results.

### Creatinine

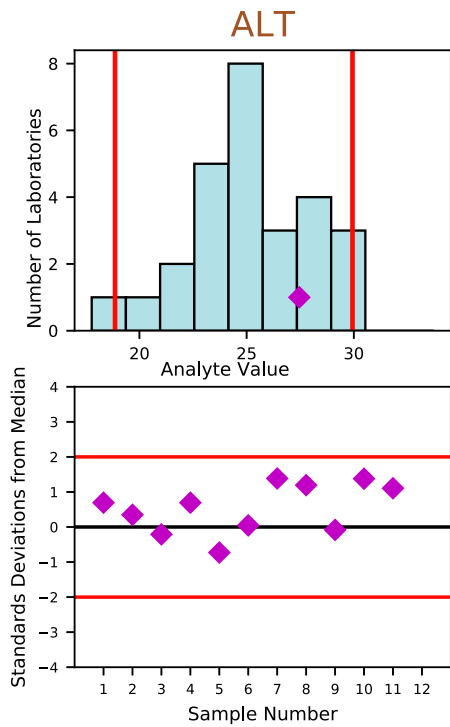


### Sample 102-11

Your result 42.54  
 Median 52.00  
 Standard Deviation 5.800  
 Your SDI -1.63

Total number of results > 500

NB: Standard deviation index (SDI) is defined as the fraction of the standard deviation your result is from the median value of all results.



## Sample 102-11

Your result 27.46

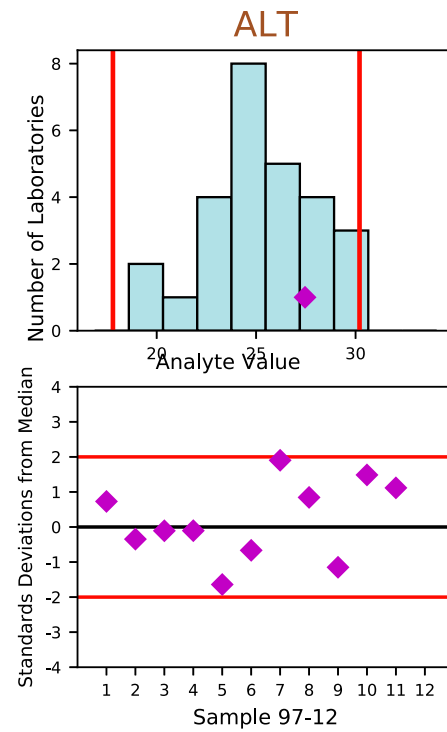
Median 24.40

Standard Deviation 2.769

Your SDI 1.11

Total number of results 28

NB: Standard deviation index (SDI) is defined as the fraction of the standard deviation your result is from the median value of all results.



## Sample 102-11

Your result 27.46

Median 24.00

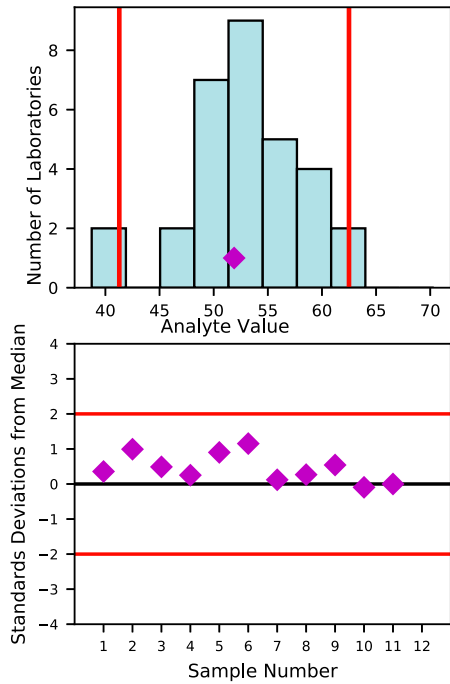
Standard Deviation 3.100

Your SDI 1.12

Total number of results > 500

NB: Standard deviation index (SDI) is defined as the fraction of the standard deviation your result is from the median value of all results.

### AST



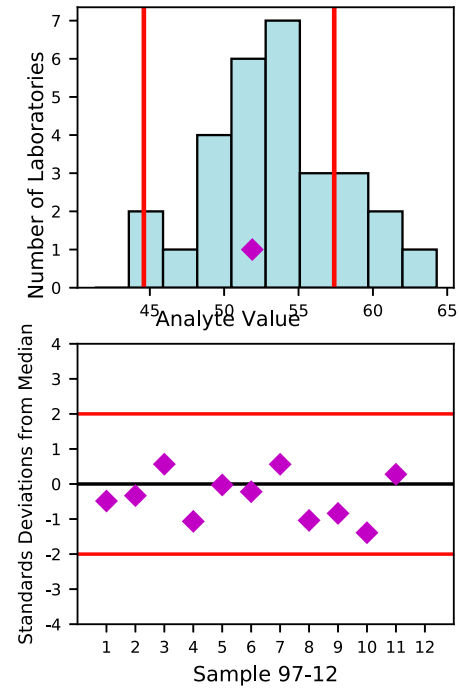
### Sample 102-11

Your result 51.89  
 Median 51.89  
 Standard Deviation 5.303  
 Your SDI 0.00

Total number of results 31

NB: Standard deviation index (SDI) is defined as the fraction of the standard deviation your result is from the median value of all results.

### AST



### Sample 102-11

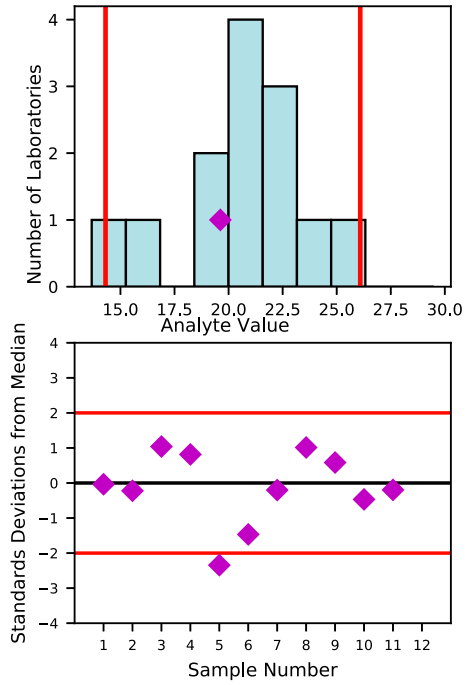
Your result 51.89  
 Median 51.00  
 Standard Deviation 3.200  
 Your SDI 0.28

Total number of results > 500

NB: Standard deviation index (SDI) is defined as the fraction of the standard deviation your result is from the median value of all results.



### Bilirubin - Total



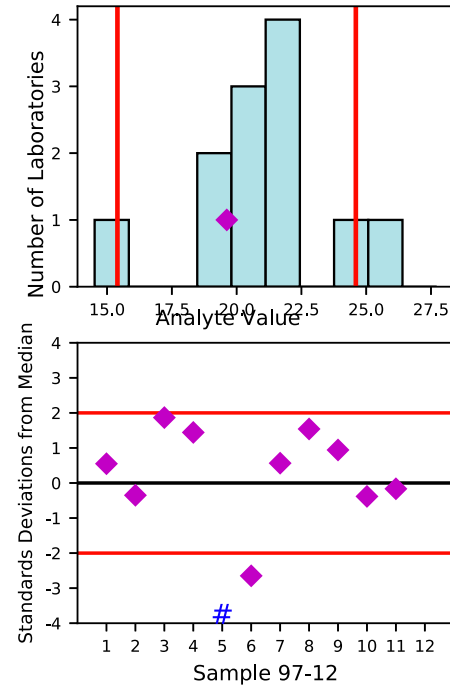
### Sample 102-11

Your result 19.62  
 Median 20.20  
 Standard Deviation 2.945  
 Your SDI -0.20

Total number of results 13

NB: Standard deviation index (SDI) is defined as the fraction of the standard deviation your result is from the median value of all results.

### Bilirubin - Total



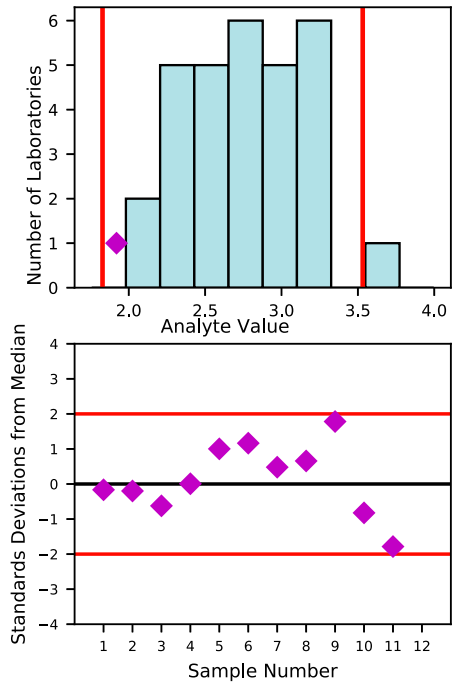
### Sample 102-11

Your result 19.62  
 Median 20.00  
 Standard Deviation 2.300  
 Your SDI -0.17

Total number of results > 500

NB: Standard deviation index (SDI) is defined as the fraction of the standard deviation your result is from the median value of all results.

### Urea



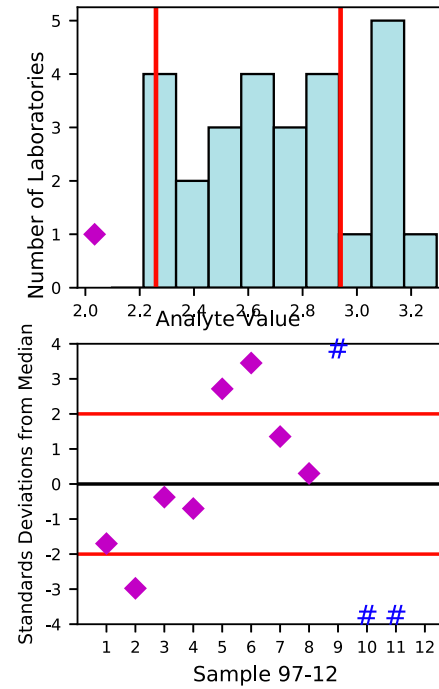
### Sample 102-11

Your result 1.92  
 Median 2.68  
 Standard Deviation 0.426  
 Your SDI -1.78

Total number of results 31

NB: Standard deviation index (SDI) is defined as the fraction of the standard deviation your result is from the median value of all results.

### Urea



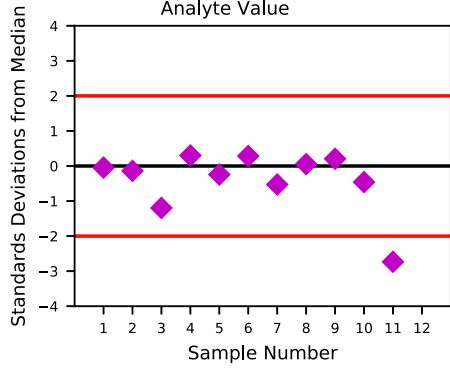
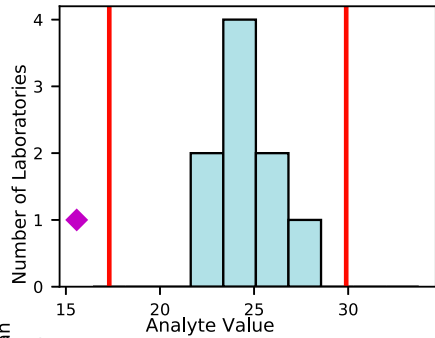
### Sample 102-11

Your result 1.92  
 Median 2.60  
 Standard Deviation 0.170  
 Your SDI -4.00

Total number of results > 500

NB: Standard deviation index (SDI) is defined as the fraction of the standard deviation your result is from the median value of all results.

### Albumin



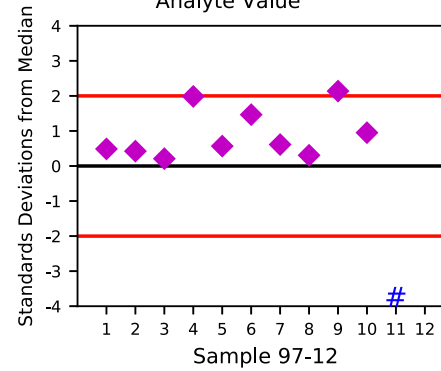
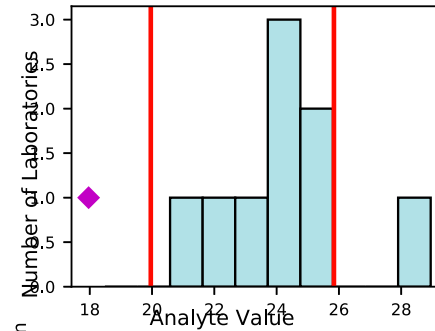
### Sample 102-11

Your result 15.0  
 Median 23.60  
 Standard Deviation 3.147  
 Your SDI -2.73

Total number of results 10

NB: Standard deviation index (SDI) is defined as the fraction of the standard deviation your result is from the median value of all results.

### Albumin



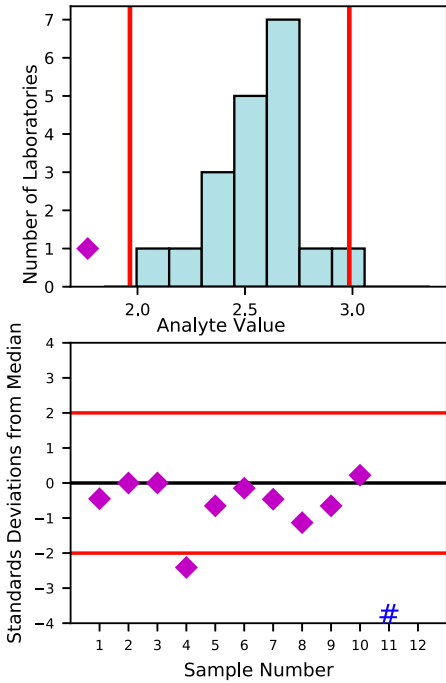
### Sample 102-11

Your result 15.0  
 Median 22.90  
 Standard Deviation 1.470  
 Your SDI -5.37

Total number of results > 500

NB: Standard deviation index (SDI) is defined as the fraction of the standard deviation your result is from the median value of all results.

### Cholesterol



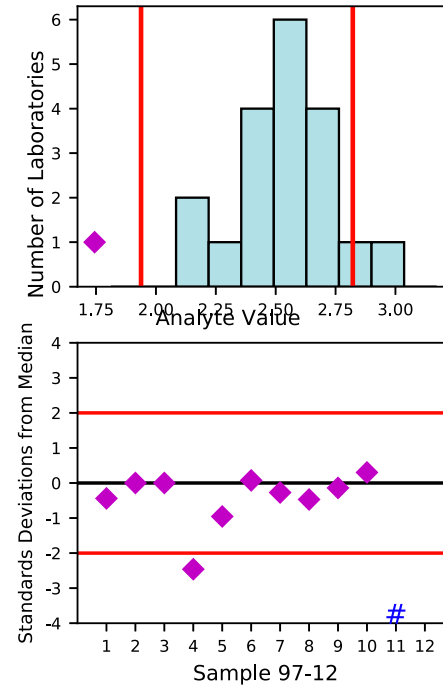
### Sample 102-11

Your result 1.11  
 Median 2.48  
 Standard Deviation 0.255  
 Your SDI -5.35

Total number of results 21

NB: Standard deviation index (SDI) is defined as the fraction of the standard deviation your result is from the median value of all results.

### Cholesterol



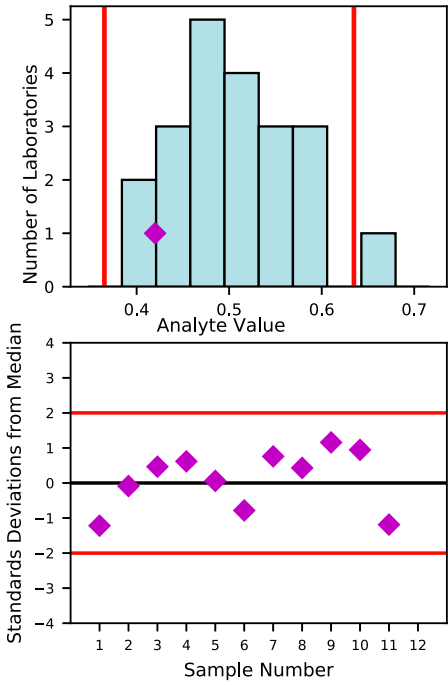
### Sample 102-11

Your result 1.11  
 Median 2.38  
 Standard Deviation 0.221  
 Your SDI -5.75

Total number of results > 500

NB: Standard deviation index (SDI) is defined as the fraction of the standard deviation your result is from the median value of all results.

### Triglycerides



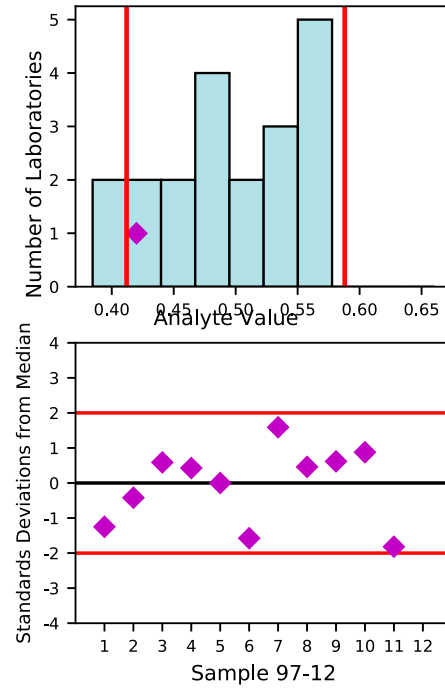
### Sample 102-11

Your result 0.42  
 Median 0.50  
 Standard Deviation 0.067  
 Your SDI -1.19

Total number of results 22

NB: Standard deviation index (SDI) is defined as the fraction of the standard deviation your result is from the median value of all results.

### Triglycerides



### Sample 102-11

Your result 0.42  
 Median 0.50  
 Standard Deviation 0.044  
 Your SDI -1.82

Total number of results > 500

NB: Standard deviation index (SDI) is defined as the fraction of the standard deviation your result is from the median value of all results.