CICLOSPORIN

International Proficiency Testing Scheme

PT SAMPLES:

374A Was an aliquot of ciclosporin-free blood to which ciclosporin was added to produce a final concentration of 80ng/mL.

374B Was an aliquot of ciclosporin-free blood to which ciclosporin was added to produce a final concentration of 1000ng/mL.

374C Was an aliquot of a pool of blood samples from patients who had received ciclosporin.

RESULTS:

Results given as less than a specific concentration, e.g. <25, are not included in the statistics. Centres with results greater than ±3Z from the method mean have been omitted from the statistics due to their grossly abnormal results.
CL = clotted, TF = technical failure, NS = no sample, NR = no result, ND = none detected, ILL = illegible result.

Method No.	Method	Method group
1	HPLC/UV	HPLC/MS
2	RIA CYCLO-Trac™-SP	RIA CYCLO-Trac
3	FPIA - on AxSYM™ platform (Monoclonal)	Abbott AxSYM
4	FPIA - on TDx™ platform (Monoclonal)	FPIA Abbott TDx
5	EMIT ® Siemens - All platforms	EMIT
6	CEDIA PLUS™ - All platforms	CEDIA
7	ACMIA Siemens – on Dimension platform	ACMIA
9	CMIA – on Architect platform	CMIA
10	HPLC/MS or HPLC/MS/MS	HPLC/MS
11	ADVIA - on Siemens Centaur™	ADVIA
50	All other methods	Others

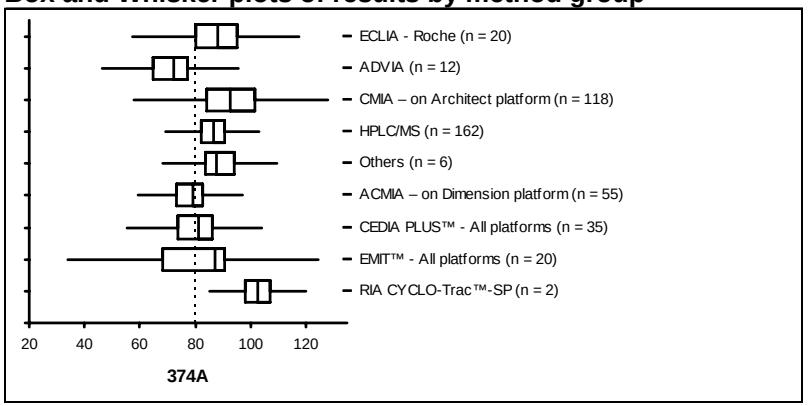
HISTOGRAM PLOT

This displays the frequency of a value in the data set. The x axis spans mean – 3Z to mean +3Z. The Z Value is the number of standard deviations your result is from the method mean.
Each bar of the histogram plot presents the number of results falling within each section. Your result is included as a vertical line in the histogram. If the result for a sample is not a discrete number (e.g. <25, or "not detected") it cannot be plotted.

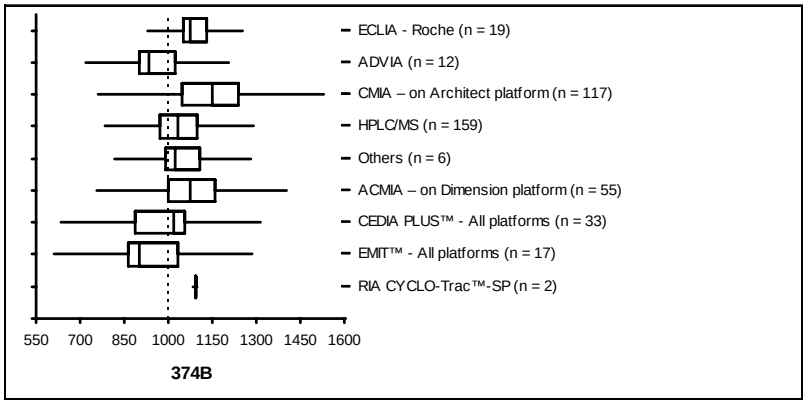
BOX & WHISKER PLOT

The results for each sample circulated are summarised as a Box and Whisker plot for each analytical method. *Note*: if the result for a sample is not a discrete number (e.g. <25, or "not detected") it cannot be included in the calculation. The default boxplot consists of a box, whiskers and outliers. A line drawn across the box is the median. The lower edge of the box is drawn at the first quartile (Q1, the 25th percentile) and the upper edge at the third quartile (Q3, the 75th percentile). The whiskers, the lines extending from the top and bottom of the box, join the highest and lowest values that occur in the regions 1.5 x the interquartile range (Q3 - Q1) above and below the third and first quartiles. All values that fall outside these extremes are outliers.

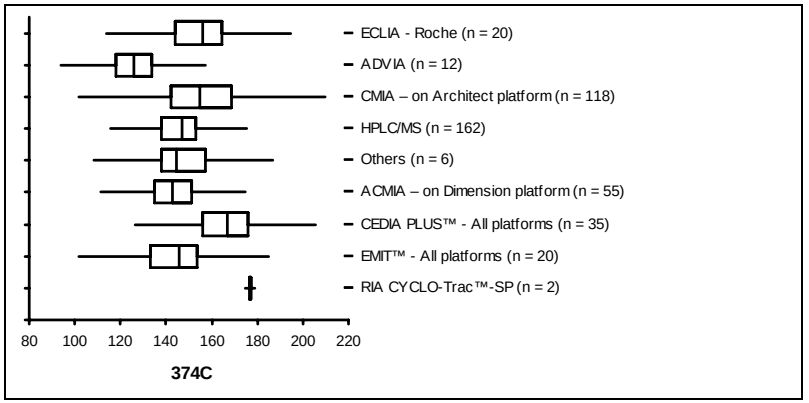
Box and Whisker plots of results by method group



374A



374B



374C

Summary data by method group

RIA CYCLO-Trac™-SP

Method	PT A	PT B	PT C
Mean	102.7	1093.2	177.0
SD	12.3	4.5	1.4
CV	12.0%	0.4%	0.8%

EMIT™ - All platforms

Method	PT A	PT B	PT C
Mean	81.7	950.5	147.6
SD	12.9	152.3	18.2
CV	15.8%	16.0%	12.3%

CEDIA PLUS™ - All platforms

Method	PT A	PT B	PT C
Mean	81.0	988.0	168.2
SD	11.3	114.9	15.3
CV	14.0%	11.6%	9.1%

ACMIA – on Dimension platform

Method	PT A	PT B	PT C
Mean	79.0	1077.0	142.4
SD	7.4	121.5	10.3
CV	9.4%	11.3%	7.2%

Others

Method	PT A	PT B	PT C
Mean	90.6	1025.1	149.2
SD	6.6	128.9	19.6
CV	7.3%	12.6%	13.1%

HPLC/MS

Method	PT A	PT B	PT C
Mean	86.3	1029.8	145.0
SD	7.7	93.4	11.8
CV	8.8%	9.1%	8.1%

CMIA – on Architect platform

Method	PT A	PT B	PT C
Mean	92.9	1147.5	155.9
SD	13.2	134.2	18.1
CV	14.2%	11.7%	11.6%

ADVIA

Method	PT A	PT B	PT C
Mean	71.3	969.8	125.2
SD	10.6	77.3	14.8
CV	14.9%	8.0%	11.8%

ECLIA - Roche

Method	PT A	PT B	PT C
Mean	87.4	1099.9	155.4
SD	10.3	70.5	11.7
CV	11.8%	6.4%	7.5%