



**PT SAMPLES:**

- 373A Was an aliquot of ciclosporin-free blood to which ciclosporin was added to produce a final concentration of 750ng/mL.
- 373B Was an aliquot of a pool of blood samples from patients who had received ciclosporin.
- 373C Was an aliquot of ciclosporin-free blood to which ciclosporin was added to produce a final concentration of 400ng/mL.

**RESULTS:**

Results given as less than a specific concentration, e.g. <25, are not included in the statistics. Centres with results greater than  $\pm 3Z$  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	CMA - on Architect platform	CMA
10	HPLC/MS or HPLC/MS/MS	HPLC/MS
11	ADVIA - on Siemens Centaur™	ADVIA
50	All other methods	Others

**HISTOGRAM PLOT**

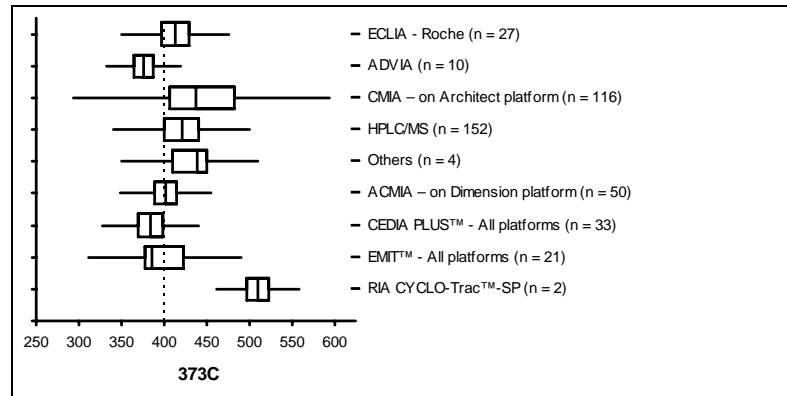
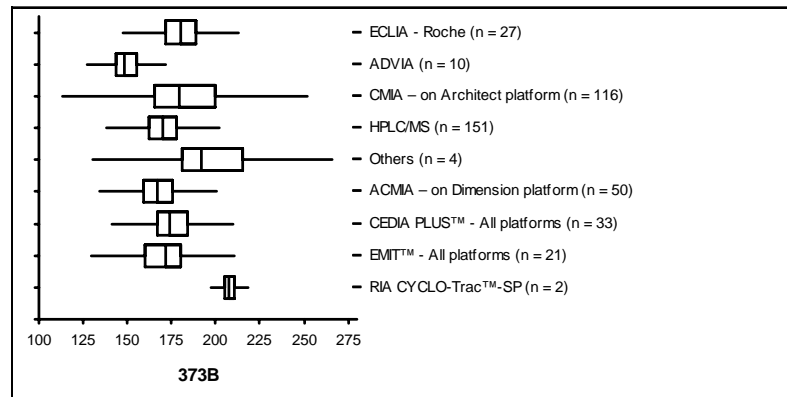
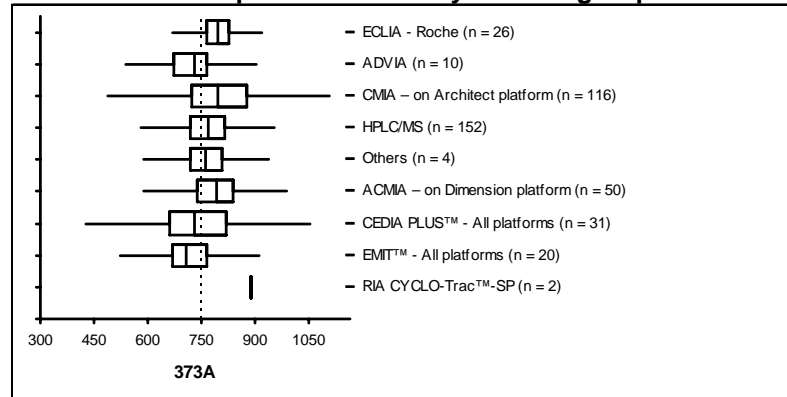
This displays the frequency of a value in the data set. The x axis spans mean - 3Z to mean +3Z. The Z Value is the number of standard deviations your result is from the method mean.

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 25<sup>th</sup> percentile) and the upper edge at the third quartile (Q3, the 75<sup>th</sup> 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**



**Summary data by method group**

RIA CYCLO-Trac™-SP			
Method	PT A	PT B	PT C
Mean	888.5	207.7	509.6
SD	0.8	7.5	34.7
CV	0.1%	3.6%	6.8%

EMIT™ - All platforms			
Method	PT A	PT B	PT C
Mean	712.5	172.3	395.5
SD	73.5	13.6	43.7
CV	10.3%	7.9%	11.0%

CEDIA PLUS™ - All platforms			
Method	PT A	PT B	PT C
Mean	732.8	175.3	385.3
SD	81.3	14.8	28.0
CV	11.1%	8.4%	7.3%

ACMIA – on Dimension platform			
Method	PT A	PT B	PT C
Mean	781.6	167.2	403.0
SD	69.8	13.6	26.3
CV	8.9%	8.1%	6.5%

Others			
Method	PT A	PT B	PT C
Mean	764.6	180.9	420.8
SD	51.4	19.9	50.5
CV	6.7%	11.0%	12.0%

HPLC/MS			
Method	PT A	PT B	PT C
Mean	766.6	169.5	417.2
SD	65.3	13.0	32.3
CV	8.5%	7.7%	7.7%

CMA – on Architect platform			
Method	PT A	PT B	PT C
Mean	803.7	182.4	442.7
SD	106.6	24.8	58.4
CV	13.3%	13.6%	13.2%

ADVIA			
Method	PT A	PT B	PT C
Mean	720.0	149.4	373.6
SD	70.7	9.7	16.8
CV	9.8%	6.5%	4.5%

ECLIA - Roche			
Method	PT A	PT B	PT C
Mean	790.5	180.0	413.4
SD	35.8	12.2	17.3
CV	4.5%	6.8%	4.2%