UK NEQAS **UK NEQAS FOR BLOOD COAGULATION**
UK NATIONAL EXTERNAL QUALITY ASSESSMENT SCHEMES

3rd Floor, Pegasus House
463A Glossop Road
Sheffield S10 2QD
E-mail: neqas@coageqa.org.uk

Professor ID Walker (Director)
Mr TAL Woods (Manager)
Tel: +44 (0)114 267 3300
Fax: +44 (0)114 267 3309

Dra Eleonora Pinca
Resp. Settore Di Coagulazione
Lab. Analisi Cliniche
dr P. Pignatelli
Via Martiri D'Otranto No. 2
73100
Lecce
Italy

Participant No. 31859/IT

Your Results On Survey 197: November 2012

For screening tests, (PT/INR, PT for diagnosis, APTT, heparin dosage assessment (HDA) and thrombin time (TT) r*eagent-specific* and *overall* median results are calculated, and your percentage deviation from each median is determined. Performance is graded "Outwith consensus" if the percentage deviation is greater than 15% (20% for HDA and TT) from either the *reagent-specific* median if the number of users of your reagent is equal to or greater than 10 **or** the *overall* median if the number of users of your reagent is less than 10, as there is little statistical validity in assessment against the individual reagent median for small numbers of users. *Please note that for Quick's PT/INR, the number of users are determined as those participants using a locally-derived arithmetic or geometric MNPT.*

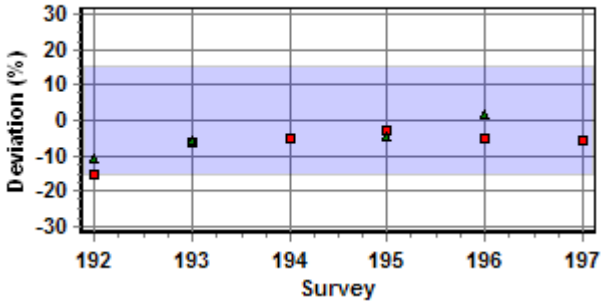
For Clauss fibrinogen assays, results are assessed against the overall median for this technique. Results >15% deviation from the median are considered outwith consensus. Multifibrin U method users are assessed separately.

Three *consecutive* instances of performance outwith consensus will generate a letter of concern, with an offer of assistance, from the Scheme Director.

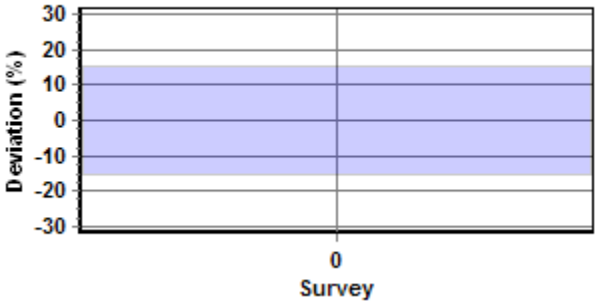
All other assays are graded by the quantile grading system. Grades are recorded in upper or lower case, indicating whether the results were above (upper case) or below (lower case) the median. Results that are identical to the median are awarded with an "A". For cumulative grades this will aid in assessment of bias. Results "persistently outwith consensus" will generate a letter of concern, with an offer of assistance, from the Scheme Director. Due to previously identified differences between methodologies, performance analysis of Factor VIII:C 2-stage and chromogenic assays will not be assessed against the overall median.

*N/R indicates no result.

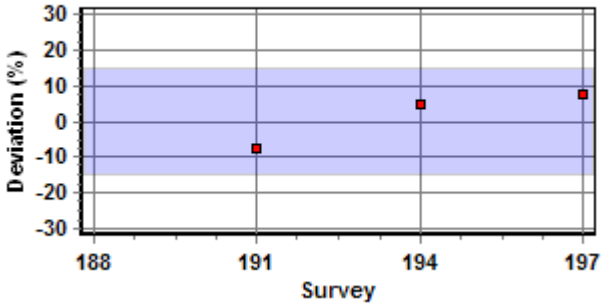
Quick's INR



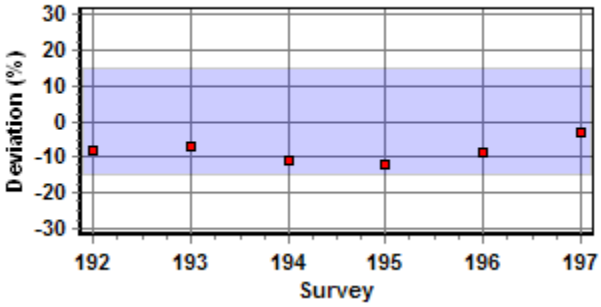
Capillary INR



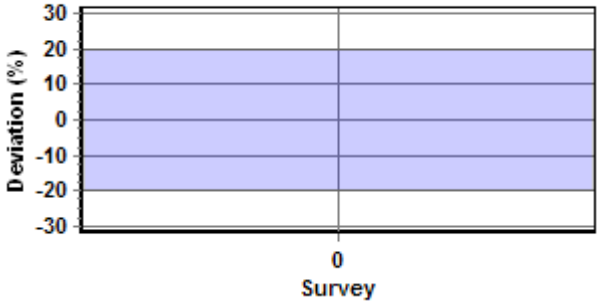
Quick's Prothrombin Time



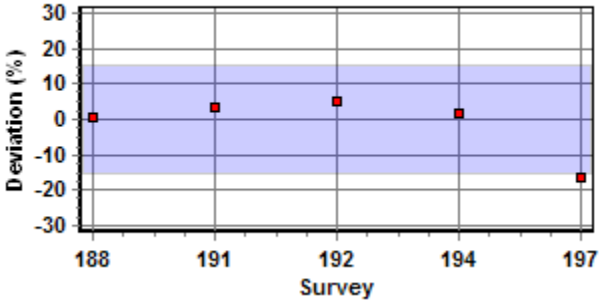
A.P.T.T.



Heparin Dosage Assessment



Clauss Fibrinogen assay



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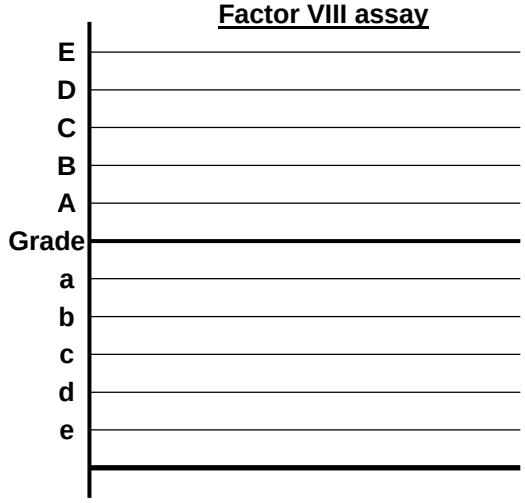
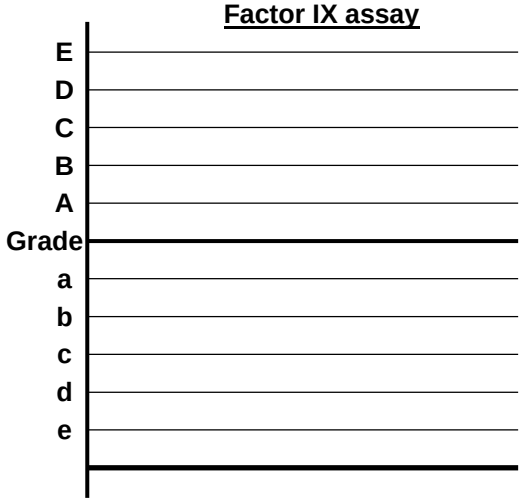
Factor VIII assay



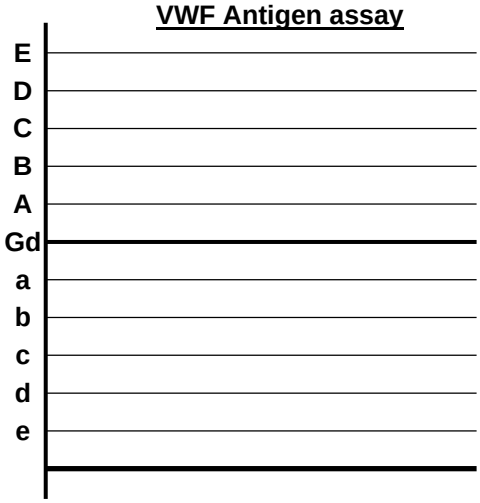
Survey

Factor IX assay



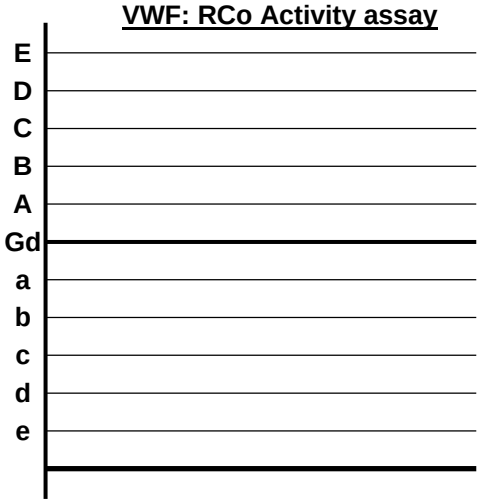
Survey

VWF Antigen assay



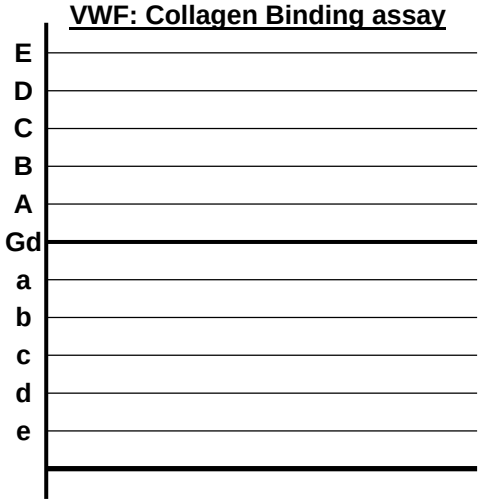
Survey

VWF: RCo Activity assay



Survey

VWF: Collagen Binding assay



Survey

Test	Quick's INR	Capillary INR
Sample No	**12/35**	**12/35**
Your Reagent	IL HemosIL Recombiplastin 2G	-
Your INR	**3.2**	**-**
Participants in your group	213	-
Reagent Median INR	**3.4**	**-**
% Deviation	-5.9	-
Overall Participants	854	157
Overall median INR	**3.36**	**-**
% Deviation	-4.8	-
Your assessment against	Reagent	-
Your performance	**Within consensus**	**-**
Your previous % deviation	(1) -5.3 (2) 1.8	- -
Your dosage interpretation	***	-
Overall Interpretations (%)		
Underdosed	***	***
Adequate	***	***
Overdosed	***	***
Non-participation code		-

Test	Prothrombin Time	APTT	Heparin Dosage
Sample No	**12/36**	**12/37**	**12/38**
Sample Type	Normal	FVIII deficiency	Heparin Pool
Your Reagent	IL HemosIL Recombiplastin 2G	IL HemosIL APTT-SP liquid	-
Your Result	**1.17**	**40.7**	**-**
Your Units	Ratio	Secs	-
Your normal range/value	0.8 - 1.2	25.4 - 36.9	-
Your test/normal ratio	**1.17**	**1.31**	**-**
Participants in your group	233	58	-
Reagent Specific Median	**1.09**	**1.35**	**-**
% Deviation	7.3	-3	-
Overall Participants	823	853	578
Overall median	**1.1**	**1.31**	**-**
% Deviation	6.4	0	-
Your assessment against	Reagent	Reagent	-
Your performance	**Within consensus**	**Within consensus**	**-**
Your previous % deviation	5	-8.5	-
Your interpretation	Borderline	Abnormal	-
Overall Interpretations (%)			
Normal/Underdosed	75.4	6.5	56.1
Borderline/Adequate	15.9	15.1	41.8
Abnormal/Overdosed	8.7	78.5	2.2
Non-participation code			-

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Test	**Fibrinogen: Clauss**
Sample No	**12/39**
Your Method	Clauss
Your Reagent	IL HemosIL Fib-C reagent
Your Instrument	ACL-TOP
Your Result	**1.88**
Units	g/l
Your normal range	2.38 - 4.98
Participants in your group	647
Median result (g/l)	**2.25**
% Deviation	-16.4
Your performance	**Outwith consensus**
Your previous % deviation	1.7
Overall Clauss Median	2.25
Your interpretation	Abnormal
Overall Interpretations (%) Normal Borderline Abnormal	 94 3.6 2.3
Non-participation code	

Assay	**Factor VIII**	**Factor IX**
Sample Number	**12/40**	**12/41**
Your method	-	-
Your Reagent	-	-
Your Result	**-**	**-**
Units	**u/dl**	**u/dl**
Your normal range	-	-
Total No of participants	355	322
Median result (u/dl)	**-**	**-**
Your % deviation	-	-
Interquartile range (A-grade limits)	-	-
Your performance quantile	-	-
Your cumulative grades	-	-
Cumulative performance	**-**	**-**
Your interpretation	-	-
Overall Interpretations (%) Normal Borderline Abnormal	 1.5 0.3 98.2	 2.9 5.2 91.9
Notes	-	-
Non-participation code	-	-

Assay	VWF Antigen	VWF: RCo Activity	VWF: CB
Sample Number	**12/42**	**12/42**	**12/42**
Sample Type	Type 1 VWD	Type 1 VWD	Type 1 VWD
Your method	-	-	-
Your Kit	-	-	-
Your Result	**-**	**-**	**-**
Units	u/dl	u/dl	u/dl
Your normal range	-	-	-
No. in your method group	-	-	-
Total No of participants	211	174	34
Median result (u/dl)	**-**	**-**	**-**
Your % deviation	-	-	-
Interquartile range (A-grade limits)	-	-	-
Your performance quartile	-	-	-
Your cumulative grades	-	-	-
Cumulative performance	**-**	**-**	**-**
Your interpretation	-	-	-
Overall Interpretations (%)			
Normal	2.5	18.7	6.1
Borderline	5.9	15.7	6.1
Abnormal	91.6	65.7	87.9
Notes	-	-	-
Non-participation code	-	-	-