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UK NEQAS for Antibodies to Nuclear and Related Antigens

Distribution :	183	May 2018	Participant :	94317
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657 out of 726 participants returned data for this distribution. 90% response rate.

Nil Responses

1540, 10665A, 10703, 10707A, 11690, 12207, 12233, 13923, 13953A, 14033, 14040, 14371, 14377, 14398, 14425B, 14558A, 14575, 14605, 14627A, 14638, 14880, 14888, 15084, 90199, 90604, 90902, 91272, 91343, 91367, 91435, 91666, 91835, 91976, 91998, 92249, 92447, 92464A, 92601B, 92700, 92824, 93354, 93602, 93682, 93740, 93779, 94357, 94358, 94441, 94736, 94797, 94817, 94931, 95042, 95180, 95496, NOKLUS, YVSOLAB, ORG_G, ORG_A, ANAND, KRIT, ORG, BIOG, INFO, CODEX, TVN, SEQC, VAR, DEKS

Sample 183-1 was a serum from a donor with SLE

Sample 183-2 was a serum from a donor with SLE

Sample	Analyte	Target Response	Your Response	Score
183-1	ANA (nuclear, cytoplasmic, mitotic)	Positive	Positive	0
	dsDNA	Positive	Positive	0
	Centromere	Negative	Negative	0
	ENA	Negative	Negative	0

Sample	Analyte	Target Response	Your Response	Score	OMIS
183-2	ANA (nuclear, cytoplasmic, mitotic)	Positive	Positive	0	0
	dsDNA	Negative	Negative	0	0
	Centromere	Negative	Negative	0	0
	ENA	Ro/La	Ro/La	0	0
				Total MIS	0

The current window of analysis comprises the previous six distributions.

Comments

Sample 183-1

A number of laboratories commented on the presence of "other" antibodies. These included:
 38 laboratories commented on the presence of Nucleosome Antibodies
 29 laboratories commented on the presence of Histone Antibodies
 18 laboratories commented on the presence of DFS - 70 Antibodies
 11 laboratories commented on the presence of Chromatin Antibodies

The Misclassification scoring (**Total MIS**) system for the **qualitative** element of the scheme gives an indication of the number of instances where a laboratory's response is at variance with that defined for each specimen in a window of **six** distributions.

A panel of reference laboratories (10656, 10660, 10674, 10739, 10776, 11801, 14604, 91325, 92923, 93635, 93779) were in agreement in providing the target responses.

Laboratories have been given misclassification marks for an incorrect response to each analyte.

An OMIS of 2 or more for any one analyte will be classed as poor performance.

The qualitative elements are assessed by misclassification over a 12 sample window. The categories of performance are:

	<u>Total MIS</u>
● Good	zero
● Adequate	1-2
● Poor	>2

For further performance criteria information please see our website at <http://www.immqas.org.uk>.

If laboratories require further assistance please contact the centre.

Summary Page for Sample 183-1

Distribution : 183	May 2018	Participant : 94317
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	Sample 183-1		
	Returns	Positive	Negative
Analyte			
ANA (nuclear, cytoplasmic, mitotic)	584	568	16
dsDNA	612	591	21
Centromere	431	1	430

Extractable Nuclear Antigens	
Ro	1
La	2
Sm	1
Jo-1	1
Ro/La	1
RNP/Scl-70	1
Ro/La/Sm/Scl-70/Jo-1	1
Other	39
Screen Only Positive	16
Negative	419
Total Responses	482
Correct Response	95 %

HEp2 Cell Pattern Source	HEp2 Cell Pattern Category (ICAP)	Count
Nuclear	Homogeneous (AC-1)	438
Nuclear	Nuclear envelope (AC-11, AC-12)	5
Nuclear	Nucleolar (AC-8, AC-9, AC-10)	1
Nuclear	Speckled (AC-2, AC-4, AC-5, AC-29)	12
Nuclear	Dense fine speckled (AC-2)	5
Nuclear	Fine speckled (AC-4)	1
Nuclear	Homogeneous nucleolar (AC-8)	1
Nuclear	Smooth Nuclear envelope (AC-11)	4
Cytoplasmic	Speckled (AC-18, AC-19, AC-20)	1
Cytoplasmic	Dense fine speckled (AC-19)	1
Mitotic	Centrosome (AC-24)	1
Mitotic	Mitotic chromosomal envelope (AC-28)	1
Other		4

Summary Page for Sample 183-2

Distribution : 183

May 2018

Participant : 94317

Analyte	Sample 183-2		
	Returns	Positive	Negative
ANA (nuclear, cytoplasmic, mitotic)	584	582	2
dsDNA	607	4	603
Centromere	441	1	440

Extractable Nuclear Antigens	
Ro	3
Ro/La	448
Ro/La/RNP	1
Ro/La/Scl-70	1
Screen Only Positive	67
Negative	4
Total Responses	524
Correct Response	98%

HEp2 Cell Pattern Source	HEp2 Cell Pattern Category (ICAP)	Count
Nuclear	Homogeneous (AC-1)	8
Nuclear	Centromere (AC-3)	1
Nuclear	Nucleolar (AC-8, AC-9, AC-10)	13
Nuclear	Speckled (AC-2, AC-4, AC-5, AC-29)	425
Nuclear	Dense fine speckled (AC-2)	10
Nuclear	Fine speckled (AC-4)	168
Nuclear	Large/coarse speckled (AC-5)	9
Cytoplasmic	Speckled (AC-18, AC-19, AC-20)	4
Cytoplasmic	Discrete dots (AC-18)	1
Cytoplasmic	Fine speckled (AC-20)	1
Other		3
Negative	Negative (AC-0)	1

ANA (nuclear, cytoplasmic, mitotic) Responses Sample 183-1

Distribution :	183	May 2018	Participant :	94317
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Your Results	
Positive : True	Unit : Titre
Negative : False	Method : Indirect Immunofluorescence
Quantitative : 2560	Manufacturer : Binding Site
	Substrate : Hep2

INDIRECT IMMUNOFLUORESCENCE

SUBSTRATE	Returns	Positive	Negative	Mean	Observed Ranges	
Rat Tissue	4	4	0	1920	1280	2560
Euroimmun	4	4	0	1920	1280	2560
Hep2	419	417	2	2484	1	51200
A. Menarini - Zenit EIA	14	14	0	1142	46	2560
AESKU	30	30	0	2526	3	5120
Alpha Dia	1	1	0	640	640	640
Binding Site	1	1	0	2560	2560	2560
BioDiagnostics	11	11	0	1955	320	10240
Bio-Rad/Kallestad/Sanofi	51	51	0	2309	320	10240
Biosystems	13	13	0	1256	80	2560
Diamedix	1	1	0	0		
Diasorin	4	4	0	2560	2560	2560
Euroimmun	90	90	0	3573	1	51200
Generic Assays	1	1	0	10240	10240	10240
Immco	8	8	0	2680	40	10000
Immunoconcepts	21	21	0	2905	160	20480
In House	1	1	0	5120	5120	5120
Inova	156	154	2	1897	40	12800
MBL- BION	3	3	0	1280	1280	1280
Medica	2	2	0	2560	2560	2560
ORGenTec	1	1	0	0		
Other ...	7	7	0	2064	80	5120
THERADIAG (BMD)	1	1	0	0		
ZEUS	2	2	0	0		
Hep2000	42	42	0	1770	320	5120
Immunoconcepts	42	42	0	1770	320	5120
Other ...	3	3	0	586	160	1280
Euroimmun	2	2	0	240	160	320
Other ...	1	1	0	1280	1280	1280

Please note: The statistical figures in the tables above are trimmed

ANA (nuclear, cytoplasmic, mitotic) Responses Sample 183-1

Distribution : 183	May 2018	Participant : 94317
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ENZYME IMMUNOASSAY

UNIT	Returns	Positive	Negative	Mean	Observed Ranges	
IU/ml	13	12	1	95	1	193
A. Menarini - Zenit EIA	1	1	0	27	27	27
Genesis	1	1	0	100	100	100
Hycor Biomedical	1	1	0	39	39	39
Inova	8	7	1	130	1	193
ORGenTec	1	1	0	4	4	4
Other ...	1	1	0	23	23	23
Units/ml	1	1	0	2	2	2
Dr Fooke	1	1	0	2	2	2
Ratio	77	66	11	2	0	26
Biosystems	1	1	0	3	3	3
Diasorin	1	1	0	15	15	15
Euroimmun	1	0	1	0	0	0
Inova	1	1	0	6	6	6
ORGenTec	2	2	0	4	3	4
Other ...	3	2	1	12	0	26
Phadia 100 EliA	2	0	2	0	0	0
Phadia 1000/2500 EliA (CTD)	3	3	0	1	0	1
Phadia 250 EliA	19	12	7	1	0	5
Phadia 250 EliA (CTD)	44	44	0	2	1	22
Other ...	3	3	0	35	11	80
Palex Diagnostica	3	3	0	35	11	80
Index	4	3	1	2	0	8
AESKU	4	3	1	2	0	8

Chemiluminescence

UNIT	Returns	Positive	Negative	Mean	Observed Ranges	
Units/ml	3	3	0	189	177	202
Inova QUANTA Flash	3	3	0	189	177	202
Index	2	2	0	2	2	2
A. Menarini - Zenit RA	2	2	0	2	2	2

Luminex Technology

UNIT	Returns	Positive	Negative	Mean	Observed Ranges	
Index	11	11	0	6	4	8
Luminex Tech. - Bio-Rad Bioplex 2200	11	11	0	6	4	8

Other ...

UNIT	Returns	Positive	Negative	Mean	Observed Ranges	
IU/ml	1	0	1	2	2	2
Other ...	1	0	1	2	2	2
Other ...	1	1	0	2	2	2
Other ...	1	1	0	2	2	2

Please note: The statistical figures in the tables above are trimmed

ANA (nuclear, cytoplasmic, mitotic) Responses Sample 183-2

Distribution : 183	May 2018	Participant : 94317
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Your Results	
Positive : True	Unit : Titre
Negative : False	Method : Indirect Immunofluorescence
Quantitative : 320	Manufacturer : Binding Site
	Substrate : Hep2

INDIRECT IMMUNOFLUORESCENCE

SUBSTRATE	Returns	Positive	Negative	Mean	Observed Ranges	
Rat Tissue	4	4	0	400	320	640
Euroimmun	4	4	0	400	320	640
Hep2	418	416	2	876	1	10000
A. Menarini - Zenit EIA	14	14	0	482	21	1280
AESKU	29	29	0	610	3	1280
Alpha Dia	1	1	0	320	320	320
Binding Site	1	1	0	320	320	320
BioDiagnostics	11	11	0	640	320	1280
Bio-Rad/Kallestad/Sanofi	51	51	0	761	160	1280
Biosystems	13	13	0	676	80	1600
Diamedix	1	1	0	0		
Diasorin	4	4	0	320	320	320
Euroimmun	90	90	0	1305	1	10000
Generic Assays	1	1	0	1280	1280	1280
Immco	8	8	0	290	40	640
Immunoconcepts	22	22	0	720	160	1280
In House	1	1	0	320	320	320
Inova	155	153	2	810	40	5120
MBL- BION	3	3	0	320	320	320
Medica	2	2	0	640	640	640
ORGenTec	1	1	0	0		
Other ...	7	7	0	886	40	2560
THERADIAG (BMD)	1	1	0	640	640	640
ZEUS	2	2	0	1280	1280	1280
Hep2000	42	42	0	755	160	2560
Immunoconcepts	42	42	0	755	160	2560
Other ...	3	3	0	346	80	640
Euroimmun	2	2	0	200	80	320
Other ...	1	1	0	640	640	640

Please note: The statistical figures in the tables above are trimmed

ANA (nuclear, cytoplasmic, mitotic) Responses Sample 183-2

Distribution : 183	May 2018	Participant : 94317
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ENZYME IMMUNOASSAY

UNIT	Returns	Positive	Negative	Mean	Observed Ranges	
IU/ml	13	13	0	141	6	387
A. Menarini - Zenit EIA	1	1	0	197	197	197
Genesis	1	1	0	57	57	57
Hycor Biomedical	1	1	0	387	387	387
Inova	8	8	0	126	10	194
ORGenTec	1	1	0	6	6	6
Other ...	1	1	0	155	155	155
Units/ml	1	1	0	5	5	5
Dr Fooke	1	1	0	5	5	5
Ratio	77	77	0	22	2	178
Biosystems	1	1	0	7	7	7
Diasorin	1	1	0	9	9	9
Euroimmun	1	1	0	7	7	7
Inova	1	1	0	6	6	6
ORGenTec	2	2	0	5	4	7
Other ...	3	3	0	65	7	178
Phadia 100 EliA	2	2	0	34	32	36
Phadia 1000/2500 EliA (CTD)	3	3	0	21	20	22
Phadia 250 EliA	19	19	0	24	17	41
Phadia 250 EliA (CTD)	44	44	0	20	2	25
Other ...	4	4	0	207	10	670
Other ...	1	1	0	139	139	139
Palex Diagnostica	3	3	0	230	10	670
Index	4	4	0	4	2	8
AESKU	4	4	0	4	2	8

Chemiluminescence

UNIT	Returns	Positive	Negative	Mean	Observed Ranges	
Units/ml	3	3	0	202	202	202
Inova QUANTA Flash	3	3	0	202	202	202
Index	2	2	0	12	11	13
A. Menarini - Zenit RA	2	2	0	12	11	13

Luminex Technology

UNIT	Returns	Positive	Negative	Mean	Observed Ranges	
Index	11	11	0	6	5	8
Luminex Tech. - Bio-Rad Bioplex 2200	11	11	0	6	5	8

Other ...

UNIT	Returns	Positive	Negative	Mean	Observed Ranges	
IU/ml	1	1	0	46	46	46
Other ...	1	1	0	46	46	46
Other ...	1	1	0	21	21	21
Other ...	1	1	0	21	21	21

Please note: The statistical figures in the tables above are trimmed

dsDNA Responses Sample 183-1

Distribution : 183

May 2018

Participant : 94317

Your Results	
Positive : True	Unit : IU/ml
Negative : False	Method : Enzyme Immunoassay/ELISA
Quantitative : 57	Manufacturer : Phadia 1000/2500 EliA
	Substrate : Not Applicable

INDIRECT IMMUNOFLUORESCENCE

SUBSTRATE	Returns	Positive	Negative	Mean	Observed Ranges	
Hep2	1	1	0	80	80	80
Other ...	1	1	0	80	80	80
Crithidia Lucillae	156	149	7	208	4	2560
A. Menarini - Zenit EIA	7	6	1	402	10	1280
Alpha Dia	1	1	0	320	320	320
BioDiagnostics	4	4	0	933	80	2560
Bio-Rad/Kallestad/Sanofi	19	18	1	206	10	1280
Biosystems	10	9	1	105	10	320
Diasorin	1	1	0	0		
Euroimmun	32	31	1	144	10	640
Immco	4	4	0	13	10	20
Immunoconcepts	21	21	0	160	4	640
In House	2	1	1	160	160	160
Inova	49	49	0	207	5	1600
ORGenTec	1	0	1	0		
Other ...	4	3	1	273	20	640
Palex Diagnostica	1	1	0	320	320	320

Please note: The statistical figures in the tables above are trimmed

dsDNA Responses Sample 183-1

Distribution : 183	May 2018	Participant : 94317
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ENZYME IMMUNOASSAY

UNIT	Returns	Positive	Negative	Mean	Observed Ranges	
IU/ml	334	329	5	134	1	7700
AESKU	5	4	1	55	2	117
Axis Shield/Diastat	4	4	0	184	130	254
Bio-Rad/Kallestad/Sanofi	4	4	0	195	164	223
Diasorin	3	3	0	142	125	165
Diesse	2	2	0	150	150	150
Euro Diagnostica	7	7	0	199	172	254
Euroimmun	14	14	0	2525	800	7700
Genesis	2	2	0	146	134	159
Hycor Biomedical	2	2	0	465	332	597
Inova	15	15	0	669	373	904
Luminex Tech. - THERADIAG (BMD)	1	1	0	203	203	203
ORGenTec	24	24	0	90	47	199
ORGenTec Alegria	11	11	0	50	31	120
Other ...	4	4	0	411	21	1052
Phadia 100 EliA	7	7	0	91	55	154
Phadia 1000/2500 EliA	10	8	2	53	41	102
Phadia 250 EliA	217	215	2	58	1	109
Phadia Varelista	2	2	0	48	42	55
Units/ml	1	1	0	4	4	4
Dr Fooke	1	1	0	4	4	4
Ratio	1	1	0	2	2	2
Other ...	1	1	0	2	2	2

Please note: The statistical figures in the tables above are trimmed

dsDNA Responses Sample 183-1

Distribution : 183

May 2018

Participant : 94317

Chemiluminescence

	UNIT	Returns	Positive	Negative	Mean	Observed Ranges	
IU/ml		62	62	0	68	44	94
A. Menarini - Zenit RA		26	26	0	79	44	94
Inova QUANTA Flash		36	36	0	60	47	73

Immunoblotting

	UNIT	Returns	Positive	Negative	Mean	Observed Ranges	
Other ...		1	1	0			
Other ...		1	1	0			
N/A		1	1	0	23	23	23
D-tek		1	1	0	23	23	23

Luminex Technology

	UNIT	Returns	Positive	Negative	Mean	Observed Ranges	
IU/ml		33	24	9	46	7	1056
Luminex Tech. - Bio-Rad Bioplex 2200		31	22	9	8	7	12
Luminex Tech. - THERADIAG (BMD)		1	1	0	1056	1056	1056
ZEUS		1	1	0	220	220	220

Other ...

	UNIT	Returns	Positive	Negative	Mean	Observed Ranges	
IU/ml		2	2	0	106	44	168
Other ...		2	2	0	106	44	168
Other ...		10	10	0	35	1	57
Other ...		10	10	0	35	1	57

Radioimmunoassay(RIA)

	UNIT	Returns	Positive	Negative	Mean	Observed Ranges	
IU/ml		10	10	0	55	46	63
IBL INTERNATIONAL		5	5	0	54	46	63
Trinity Biotech		5	5	0	56	50	63

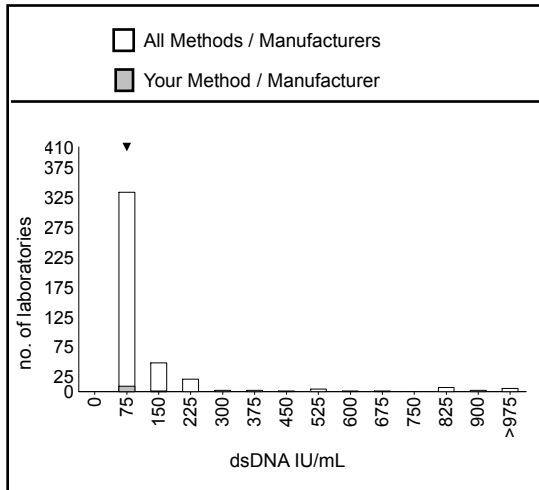
Please note: The statistical figures in the tables above are trimmed

dsDNA Responses Sample 183-1

Distribution : 183

May 2018

Participant : 94317



Your Method: Enzyme Immunoassay/ELISA

Your Manufacturer: Phadia 1000/2500 EliA

Your Result: 57

Your Unit: IU/ml

dsDNA Responses Sample 183-2

Distribution : 183

May 2018

Participant : 94317

Your Results	
Positive : False	Unit : IU/ml
Negative : True	Method : Enzyme Immunoassay/ELISA
Quantitative : 1.4	Manufacturer : Phadia 1000/2500 EliA
	Substrate : Not Applicable

INDIRECT IMMUNOFLUORESCENCE

SUBSTRATE	Returns	Positive	Negative	Mean	Observed Ranges	
Hep2	1	0	1	1	1	1
Other ...	1	0	1	1	1	1
Crithidia Lucillae	155	1	154	10	0	50
A. Menarini - Zenit EIA	7	0	7	15	10	20
Alpha Dia	1	0	1	0		
BioDiagnostics	4	0	4	0		
Bio-Rad/Kallestad/Sanofi	19	0	19	8	0	11
Biosystems	10	1	9	10	10	10
Diasorin	1	0	1	0		
Euroimmun	33	0	33	13	0	50
Immco	4	0	4	10	10	10
Immunoconcepts	20	0	20	12	0	40
In House	2	0	2	0		
Inova	48	0	48	8	0	20
ORGenTec	1	0	1	0		
Other ...	4	0	4	5	0	10
Palex Diagnostica	1	0	1	0		

Please note: The statistical figures in the tables above are trimmed

dsDNA Responses Sample 183-2

Distribution : 183

May 2018

Participant : 94317

ENZYME IMMUNOASSAY

UNIT	Returns	Positive	Negative	Mean	Observed Ranges	
IU/ml	332	3	329	4	0	56
AESKU	5	1	4	11	1	40
Axis Shield/Diastat	4	0	4	5	1	7
Bio-Rad/Kallestad/Sanofi	4	0	4	7	4	10
Diasorin	3	0	3	10	6	18
Diesse	2	0	2	13	10	17
Euro Diagnostica	7	0	7	4	2	7
Euroimmun	14	0	14	7	0	18
Genesis	2	0	2	5	3	7
Hycor Biomedical	2	0	2	14	8	20
Inova	14	0	14	28	8	56
Luminex Tech. - THERADIAG (BMD)	1	0	1	8	8	8
ORGenTec	24	0	24	8	0	13
ORGenTec Alegria	11	0	11	4	0	9
Other ...	3	0	3	3	0	8
Phadia 100 EliA	7	0	7	1	1	3
Phadia 1000/2500 EliA	10	0	10	1	1	1
Phadia 250 EliA	217	2	215	1	0	49
Phadia Varelisa	2	0	2	1	1	1
Units/ml	1	0	1	0	0	0
Dr Fooke	1	0	1	0	0	0
Ratio	1	0	1	0	0	0
Other ...	1	0	1	0	0	0

Please note: The statistical figures in the tables above are trimmed

dsDNA Responses Sample 183-2

Distribution : 183

May 2018

Participant : 94317

Chemiluminescence

	UNIT	Returns	Positive	Negative	Mean	Observed Ranges
IU/ml		60	0	60	1904	0 91193
A. Menarini - Zenit RA		25	0	25	1	0 11
Inova QUANTA Flash		35	0	35	3973	6 91193
Other ...		1	0	1		
Inova QUANTA Flash		1	0	1		

Immunoblotting

	UNIT	Returns	Positive	Negative	Mean	Observed Ranges
Other ...		1	0	1		
Other ...		1	0	1		
N/A		1	0	1		
D-tek		1	0	1		

Luminex Technology

	UNIT	Returns	Positive	Negative	Mean	Observed Ranges
IU/ml		33	0	33	4	2 40
Luminex Tech. - Bio-Rad Bioplex 2200		31	0	31	2	2 4
Luminex Tech. - THERADIAG (BMD)		1	0	1	11	11 11
ZEUS		1	0	1	40	40 40

Other ...

	UNIT	Returns	Positive	Negative	Mean	Observed Ranges
IU/ml		2	0	2	7	7 8
Other ...		2	0	2	7	7 8
Other ...		10	0	10	0	0 1
Other ...		10	0	10	0	0 1

Radioimmunoassay(RIA)

	UNIT	Returns	Positive	Negative	Mean	Observed Ranges
IU/ml		9	0	9	3	1 6
IBL INTERNATIONAL		5	0	5	4	1 6
Trinity Biotech		4	0	4	1	1 2

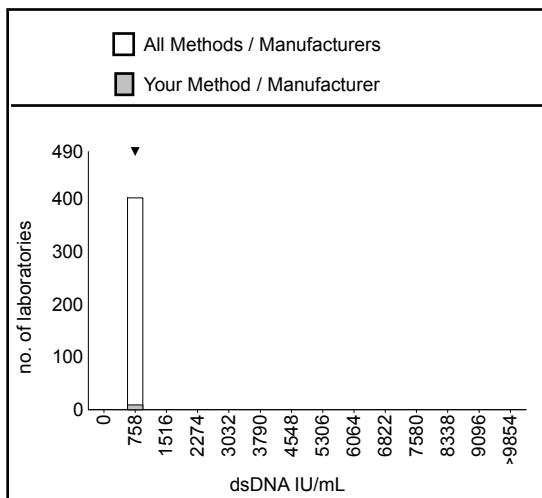
Please note: The statistical figures in the tables above are trimmed

dsDNA Responses Sample 183-2

Distribution : 183

May 2018

Participant : 94317



Your Method: Enzyme Immunoassay/ELISA

Your Manufacturer: Phadia 1000/2500 EliA

Your Result: 1.4

Your Unit: IU/ml

Centromere Responses Sample 183-1

Distribution : 183	May 2018	Participant : 94317
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Your Results	
Positive : False	Unit : IU/ml
Negative : True	Method : Enzyme Immunoassay/ELISA
Quantitative : 0.4	Manufacturer : Phadia 250 EliA
	Substrate : Not Applicable

INDIRECT IMMUNOFLUORESCENCE

SUBSTRATE	Returns	Positive	Negative	Mean	Observed Ranges	
Rat Tissue	1	0	1	0		
Euroimmun	1	0	1	0		
Hep2	145	0	145	85	0	160
A. Menarini - Zenit EIA	5	0	5	160	160	160
AESKU	7	0	7	80	80	80
Alpha Dia	1	0	1	0		
BioDiagnostics	3	0	3	0		
Bio-Rad/Kallestad/Sanofi	21	0	21	90	40	160
Biosystems	3	0	3	0		
Diamedix	1	0	1	0		
Euroimmun	30	0	30	56	0	160
Immco	4	0	4	160	160	160
Immunoconcepts	7	0	7	100	80	160
Inova	56	0	56	81	0	160
Luminex Tech. - THERADIAG (BMD)	1	0	1	0		
MBL- BION	1	0	1	80	80	80
Medica	2	0	2	0		
ORGenTec	2	0	2	0		
Other ...	1	0	1	80	80	80
Hep2000	12	0	12	60	40	80
Immunoconcepts	12	0	12	60	40	80
Other ...	1	0	1	320	320	320
Euroimmun	1	0	1	320	320	320

Please note: The statistical figures in the tables above are trimmed

Centromere Responses Sample 183-1

Distribution : 183

May 2018

Participant : 94317

ENZYME IMMUNOASSAY

UNIT	Returns	Positive	Negative	Mean	Observed Ranges	
IU/ml	127	0	127	1	0	20
A. Menarini - Zenit EIA	1	0	1	0	0	0
AESKU	3	0	3	2	0	4
Axis Shield/Diastat	1	0	1	1	1	1
Euroimmun	1	0	1	2	2	2
Inova	3	0	3	9	3	20
ORGenTec	7	0	7	1	0	4
Other ...	2	0	2	2	0	4
Phadia 100 EliA	6	0	6	1	0	1
Phadia 250 EliA	103	0	103	0	0	1
Units/ml	34	1	33	0	0	1
Dr Fooke	1	0	1	0	0	0
Phadia 100 EliA	1	0	1	0	0	0
Phadia 1000/2500 EliA	5	0	5	0	0	1
Phadia 250 EliA	27	1	26	0	0	1
Ratio	3	0	3	0	0	1
ORGenTec	1	0	1	1	1	1
Other ...	2	0	2	0	0	0

Please note: The statistical figures in the tables above are trimmed

Centromere Responses Sample 183-1

Distribution : 183

May 2018

Participant : 94317

Chemiluminescence

	UNIT	Returns	Positive	Negative	Mean	Observed Ranges	
IU/ml		21	0	21	1	0	5
A. Menarini - Zenit RA		8	0	8	0	0	0
Inova QUANTA Flash		13	0	13	3	1	5

Immunoblotting

	UNIT	Returns	Positive	Negative	Mean	Observed Ranges	
N/A		41	0	41	0	0	0
AESKU		2	0	2			
Alpha Dia		2	0	2			
D-tek		4	0	4			
Euroimmun		27	0	27	0	0	0
Generic Assays		1	0	1			
MIKROGEN DIAGNOSTIK		1	0	1			
Other ...		4	0	4	0	0	0

Line Immunoassay/LIA

	UNIT	Returns	Positive	Negative	Mean	Observed Ranges	
N/A		3	0	3	20	20	20
Innogenetics		3	0	3	20	20	20

Luminex Technology

	UNIT	Returns	Positive	Negative	Mean	Observed Ranges	
IU/ml		9	0	9	13	0	37
Luminex Tech. - Bio-Rad Bioplex 2200		3	0	3			
Luminex Tech. - THERADIAG (BMD)		4	0	4	2	0	3
ZEUS		2	0	2	35	33	37
Index		30	0	30	0	0	0
Luminex Tech. - Bio-Rad Bioplex 2200		30	0	30	0	0	0

Other ...

	UNIT	Returns	Positive	Negative	Mean	Observed Ranges	
Other ...		4	0	4	0	0	0
Other ...		4	0	4	0	0	0

Please note: The statistical figures in the tables above are trimmed

Centromere Responses Sample 183-2

Distribution : **183**

May 2018

Participant : **94317**

Your Results

Positive : False	Unit : IU/ml
Negative : True	Method : Enzyme Immunoassay/ELISA
Quantitative : 0.4	Manufacturer : Phadia 250 EliA
	Substrate : Not Applicable

INDIRECT IMMUNOFLUORESCENCE

SUBSTRATE	Returns	Positive	Negative	Mean	Observed Ranges	
Rat Tissue	1	0	1	0		
Euroimmun	1	0	1	0		
Hep2	147	0	147	85	0	160
A. Menarini - Zenit EIA	5	0	5	160	160	160
AESKU	7	0	7	80	80	80
Alpha Dia	1	0	1	0		
BioDiagnostics	3	0	3	0		
Bio-Rad/Kallestad/Sanofi	22	0	22	90	40	160
Biosystems	3	0	3	0		
Diamedix	1	0	1	0		
Euroimmun	30	0	30	56	0	160
Immco	4	0	4	160	160	160
Immunoconcepts	7	0	7	100	80	160
Inova	57	0	57	81	0	160
Luminex Tech. - THERADIAG (BMD)	1	0	1	0		
MBL- BION	1	0	1	80	80	80
Medica	2	0	2	0		
ORGenTec	2	0	2	0		
Other ...	1	0	1	80	80	80
Hep2000	12	0	12	60	40	80
Immunoconcepts	12	0	12	60	40	80
Other ...	1	0	1	320	320	320
Euroimmun	1	0	1	320	320	320

Please note: The statistical figures in the tables above are trimmed

Centromere Responses Sample 183-2

Distribution : 183

May 2018

Participant : 94317

ENZYME IMMUNOASSAY

UNIT	Returns	Positive	Negative	Mean	Observed Ranges	
IU/ml	134	0	134	0	0	10
A. Menarini - Zenit EIA	1	0	1	0	0	0
AESKU	3	0	3	1	0	3
Axis Shield/Diastat	1	0	1	0	0	0
Euroimmun	1	0	1	2	2	2
Inova	3	0	3	4	2	10
ORGenTec	7	0	7	0	0	3
Other ...	2	0	2	1	0	3
Phadia 100 EliA	6	0	6	0	0	1
Phadia 250 EliA	110	0	110	0	0	1
Units/ml	36	0	36	0	0	1
Dr Fooke	1	0	1	0	0	0
Phadia 100 EliA	1	0	1	0	0	0
Phadia 1000/2500 EliA	5	0	5	0	0	1
Phadia 250 EliA	29	0	29	0	0	1
Ratio	3	1	2	14	0	41
ORGenTec	1	0	1	1	1	1
Other ...	2	1	1	20	0	41

Please note: The statistical figures in the tables above are trimmed

Centromere Responses Sample 183-2

Distribution : 183

May 2018

Participant : 94317

Chemiluminescence

	UNIT	Returns	Positive	Negative	Mean	Observed Ranges	
IU/ml		20	0	20	1	0	3
A. Menarini - Zenit RA		7	0	7	0	0	0
Inova QUANTA Flash		13	0	13	2	1	3

Immunoblotting

	UNIT	Returns	Positive	Negative	Mean	Observed Ranges	
N/A		40	0	40	0	0	0
AESKU		2	0	2			
Alpha Dia		2	0	2			
D-tek		4	0	4			
Euroimmun		26	0	26	0	0	0
Generic Assays		1	0	1			
MIKROGEN DIAGNOSTIK		1	0	1			
Other ...		4	0	4	0	0	0

Line Immunoassay/LIA

	UNIT	Returns	Positive	Negative	Mean	Observed Ranges	
N/A		4	0	4	20	20	20
Innogenetics		3	0	3	20	20	20
Other ...		1	0	1			

Luminex Technology

	UNIT	Returns	Positive	Negative	Mean	Observed Ranges	
IU/ml		9	0	9	18	0	56
Luminex Tech. - Bio-Rad Bioplex 2200		3	0	3			
Luminex Tech. - THERADIAG (BMD)		4	0	4	1	0	2
ZEUS		2	0	2	51	47	56
Index		30	0	30	0	0	0
Luminex Tech. - Bio-Rad Bioplex 2200		30	0	30	0	0	0

Other ...

	UNIT	Returns	Positive	Negative	Mean	Observed Ranges	
Other ...		4	0	4	0	0	0
Other ...		4	0	4	0	0	0

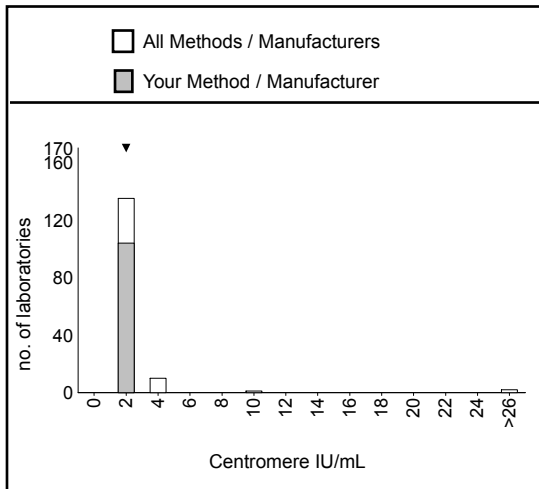
Please note: The statistical figures in the tables above are trimmed

Centromere Responses Sample 183-2

Distribution : 183

May 2018

Participant : 94317



Your Method: Enzyme Immunoassay/ELISA

Your Manufacturer: Phadia 250 EliA

Your Result: 0.4

Your Unit: IU/ml

ENA Responses Sample 183-1

Distribution : 183

May 2018

Participant : 94317

Your Results

SSA: False	Sm: False	Other: False
SSA Method: Enzyme Immunoassay/ELISA	SM Method: Enzyme Immunoassay/ELISA	Other Method:
SSA Manufacturer: Phadia 1000/2500 EliA	SM Manufacturer: Phadia 1000/2500 EliA	Other Manufacturer:
SSB: False	Sci-70: False	Negative: True
SSB Method: Enzyme Immunoassay/ELISA	Sci-70 Method: Enzyme Immunoassay/ELISA	Negative Method: Enzyme Immunoassay/ELISA
SSB Manufacturer: Phadia 1000/2500 EliA	Sci-70 Manufacturer: Phadia 1000/2500 EliA	Negative Manufacturer: Phadia 1000/2500 EliA
RNP: False	Jo1: False	Screen Only: False
RNP Method: Enzyme Immunoassay/ELISA	Jo1 Method: Enzyme Immunoassay/ELISA	Screen Positive: False
RNP Manufacturer: Phadia 1000/2500 EliA	Jo1 Manufacturer: Phadia 1000/2500 EliA	Manufacturer:

Method	Ro (SSA)	La (SSB)	Sm	RNP	Sci-70	Jo-1	Other	Positive (Screen Only)	Negative
Chemiluminescence	0	1	0	0	0	0	0	0	36
A. Menarini - Zenit RA	0	0	0	0	0	0	0	0	16
Inova QUANTA Flash	0	1	0	0	0	0	0	0	20
CIE	0	0	0	0	0	0	0	0	1
In House	0	0	0	0	0	0	0	0	1
DD	0	0	0	0	0	0	0	0	1
In House	0	0	0	0	0	0	0	0	1
ENA Screening Tests								16	69
A. Menarini - Zenit RA								2	4
AESKU								1	1
Bio-Rad/Kallestad/Sanofi								1	0
Diasorin								1	3
Euroimmun								1	2
Human-Imtec								0	1
Hycor Biomedical								1	1
Immunoconcepts								0	1
Inova								0	4
Inova QUANTA Flash								0	8
Luminex Tech. - Bio-Rad Bioplex 2200								1	0
ORGenTec								0	4
ORGenTec Alegria								1	1
Other ...								0	1
Phadia 250 EliA								3	36
Phadia 250 EliA (CTD)								4	2
Enzyme Immunoassay/ELISA	1	0	0	1	1	1	0	0	190
AESKU	0	0	0	0	0	1	0	0	1
Bio-Rad/Kallestad/Sanofi	0	0	0	0	0	0	0	0	1
Dr Fooke	0	0	0	0	0	0	0	0	1
Euroimmun	0	0	0	0	0	0	0	0	4
Hycor Biomedical	0	0	0	0	0	0	0	0	3
Immunoconcepts	0	0	0	0	0	0	0	0	2
Inova	0	0	0	0	0	0	0	0	7
ORGenTec	0	0	0	0	0	0	0	0	13
ORGenTec Alegria	1	0	0	0	0	0	0	0	6
Other ...	0	0	0	1	1	0	0	0	2
Phadia 100 EliA	0	0	0	0	0	0	0	0	7
Phadia 1000/2500 EliA	0	0	0	0	0	0	0	0	7
Phadia 250 EliA	0	0	0	0	0	0	0	0	136

Please note: The statistical figures in the tables above are trimmed

ENA Responses Sample 183-1

Distribution : 183	May 2018	Participant : 94317
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Method	Ro (SSA)	La (SSB)	Sm	RNP	Sci-70	Jo-1	Other	Positive (Screen Only)	Negative
Immunoblotting	1	2	0	0	0	0	24	0	69
AESKU	0	0	0	0	0	0	1	0	3
Alpha Dia	0	1	0	0	0	0	5	0	10
D-tek	0	0	0	0	0	0	0	0	5
Euroimmun	1	1	0	0	0	0	18	0	44
Generic Assays	0	0	0	0	0	0	0	0	1
Inno-LIA	0	0	0	0	0	0	0	0	1
MIKROGEN DIAGNOSTIK	0	0	0	0	0	0	0	0	2
Other ...	0	0	0	0	0	0	0	0	3
Line Immunoassay/LIA	0	0	1	0	0	0	2	0	3
Human-Imtec	0	0	1	0	0	0	1	0	0
Innogenetics	0	0	0	0	0	0	1	0	3
Luminex Technology	1	1	1	0	1	1	12	0	34
Luminex Tech. - Bio-Rad Bioplex 2200	1	1	1	0	1	1	9	0	28
Luminex Tech. - THERADIAG (BMD)	0	0	0	0	0	0	3	0	3
ZEUS	0	0	0	0	0	0	0	0	3
Other ...	0	0	0	0	0	0	0	0	3
In House	0	0	0	0	0	0	0	0	1
Other ...	0	0	0	0	0	0	0	0	2

Please note: The statistical figures in the tables above are trimmed

ENA Responses Sample 183-2

Distribution : 183

May 2018

Participant : 94317

Your Results

SSA: True	Sm: False	Other: False
SSA Method: Enzyme Immunoassay/ELISA	SM Method: Enzyme Immunoassay/ELISA	Other Method:
SSA Manufacturer: Phadia 1000/2500 EliA	SM Manufacturer: Phadia 1000/2500 EliA	Other Manufacturer:
SSB: True	Sci-70: False	Negative: False
SSB Method: Enzyme Immunoassay/ELISA	Sci-70 Method: Enzyme Immunoassay/ELISA	Negative Method: Enzyme Immunoassay/ELISA
SSB Manufacturer: Phadia 1000/2500 EliA	Sci-70 Manufacturer: Phadia 1000/2500 EliA	Negative Manufacturer: Phadia 1000/2500 EliA
RNP: False	Jo1: False	Screen Only: False
RNP Method: Enzyme Immunoassay/ELISA	Jo1 Method: Enzyme Immunoassay/ELISA	Screen Positive: False
RNP Manufacturer: Phadia 1000/2500 EliA	Jo1 Manufacturer: Phadia 1000/2500 EliA	Manufacturer:

Method	Ro (SSA)	La (SSB)	Sm	RNP	Sci-70	Jo-1	Other	Positive (Screen Only)	Negative
Chemiluminescence	46	45	0	0	0	0	3	0	0
A. Menarini - Zenit RA	19	19	0	0	0	0	0	0	0
Inova QUANTA Flash	27	26	0	0	0	0	3	0	0
CIE	1	1	0	0	0	0	0	0	0
In House	1	1	0	0	0	0	0	0	0
DD	1	0	0	0	0	0	0	0	0
In House	1	0	0	0	0	0	0	0	0
ENA Screening Tests								61	0
A. Menarini - Zenit RA								4	0
AESKU								2	0
Bio-Rad/Kallestad/Sanofi								1	0
Diasorin								4	0
Euroimmun								2	0
Hycor Biomedical								3	0
Immunoconcepts								1	0
Inova								3	0
Inova QUANTA Flash								7	0
Luminex Tech. - Bio-Rad Bioplex 2200								2	0
ORGenTec								1	0
ORGenTec Alegria								2	0
Phadia 250 EliA								24	0
Phadia 250 EliA (CTD)								5	0
Enzyme Immunoassay/ELISA	242	241	0	0	0	0	4	0	1
AESKU	3	3	0	0	0	0	0	0	0
Bio-Rad/Kallestad/Sanofi	1	1	0	0	0	0	0	0	0
Biosystems	1	1	0	0	0	0	0	0	0
Dr Fooke	1	1	0	0	0	0	0	0	0
Euroimmun	6	6	0	0	0	0	0	0	0
Hycor Biomedical	3	3	0	0	0	0	0	0	0
Immunoconcepts	2	2	0	0	0	0	0	0	0
Inova	10	10	0	0	0	0	1	0	0
ORGenTec	20	20	0	0	0	0	0	0	0
ORGenTec Alegria	7	7	0	0	0	0	0	0	0
Other ...	4	4	0	0	0	0	0	0	0
Phadia 100 EliA	7	7	0	0	0	0	0	0	0
Phadia 1000/2500 EliA	9	9	0	0	0	0	0	0	0
Phadia 250 EliA	168	167	0	0	0	0	3	0	1

Please note: The statistical figures in the tables above are trimmed

ENA Responses Sample 183-2

Distribution : 183

May 2018

Participant : 94317

Method	Ro (SSA)	La (SSB)	Sm	RNP	Sci-70	Jo-1	Other	Positive (Screen Only)	Negative
Immunoblotting	101	100	0	0	0	0	8	0	1
AESKU	4	4	0	0	0	0	0	0	0
Alpha Dia	15	15	0	0	0	0	0	0	0
D-tek	5	5	0	0	0	0	0	0	0
Euroimmun	70	69	0	0	0	0	8	0	1
Inno-LIA	1	1	0	0	0	0	0	0	0
MIKROGEN DIAGNOSTIK	2	2	0	0	0	0	0	0	0
ORGenTec	1	1	0	0	0	0	0	0	0
Other ...	3	3	0	0	0	0	0	0	0
Line Immunoassay/LIA	7	7	0	0	0	0	0	0	0
Human-Imtec	2	2	0	0	0	0	0	0	0
Innogenetics	4	4	0	0	0	0	0	0	0
Other ...	1	1	0	0	0	0	0	0	0
Luminex Technology	47	47	0	0	0	0	3	0	1
Luminex Tech. - Bio-Rad Bioplex 2200	38	38	0	0	0	0	2	0	1
Luminex Tech. - THERADIAG (BMD)	6	6	0	0	0	0	1	0	0
ZEUS	3	3	0	0	0	0	0	0	0
Other ...	3	3	0	1	0	0	0	0	0
In House	1	1	0	0	0	0	0	0	0
Other ...	2	2	0	1	0	0	0	0	0

Please note: The statistical figures in the tables above are trimmed