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UK NEQAS for Myositis Associated Antibodies

Distribution : 243	June 2024	Participant : 14489
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228 out of 266 participants returned data for this distribution. 86% response rate.

Nil Responses

10288, 11774, 13923, 13970, 13993, 14599, 14610A, 14620, 14668, 14805C, 91059, 91243, 91666, 91754, 92354, 93599B, 93658, 94349, 95406, 95467, 95767, 97233, 97952, YVSOLAB, ANAND, PMS_NZ, PMS_AU, SEROBAC, CSCQ, SC_GP, QUAL, ORG, BIOG, INFO, CODEX, SEQC, VAR, DEKS

Sample 243-1 was a serum from a donor with polymyositis.

Sample 243-2 was a serum from a donor with polymyositis.

Sample	Antibody	Designated Response	Your Response	Score
243-1	Jo-1	Negative	Negative	0
	PL7	Negative	Negative	0
	PL12	Negative	Negative	0
	PM-SCL100	Negative	Negative	0
	Mi-2	Negative	Negative	0
	SRP	Positive	Positive	0
	Other	Negative	Negative	N/A
	ANA (nuclear, cytoplasmic, mitotic)	Positive	Positive	N/A

Sample	Antibody	Designated Response	Your Response	Score	OMIS
243-2	Jo-1	Negative	Negative	0	0
	PL7	Negative	Negative	0	0
	PL12	Positive	Positive	0	0
	PM-SCL100	Negative	Negative	0	0
	Mi-2	Negative	Negative	0	0
	SRP	Negative	Negative	0	0
	Other	Positive	Positive	N/A	N/A
	ANA (nuclear, cytoplasmic, mitotic)	Positive	Positive	N/A	N/A
Total MIS					0

The current window of analysis comprises the previous six distributions

Comments

Sample 243-1: The majority of participants correctly identified the presence of SRP antibody in this sample. Sample 243-1 was an identical sample to sample 236-1.




Sample 243-2: The majority of participants correctly identified the presence of PL-12 antibody, with many also reporting Ro-52. Some laboratories, mainly using assays by one manufacturer, indicated the presence of Ku antibody. The IIF results submitted suggest little evidence of Ku antibody which usually produces strong homogeneous/dense fine speckled nucleoplasmic staining with distinctive chromatin negative metaphase cells. Only a few users reported the presence of any nucleoplasmic staining with this sample. Sample 243-2 was identical to sample 241-1.

The Total Misclassification scoring (**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, 10745, 14107, 14131, 23008) were in agreement in providing the target responses.

Laboratories have been given a misclassification score (MIS) for each sample where they are at variance with the target response. The overall misclassification score (OMIS) now includes a running window of 12 samples over 12 months.

The categories of performance are:

		Total MIS
 Good	-	zero
 Adequate	-	1
 Poor	-	> 1

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

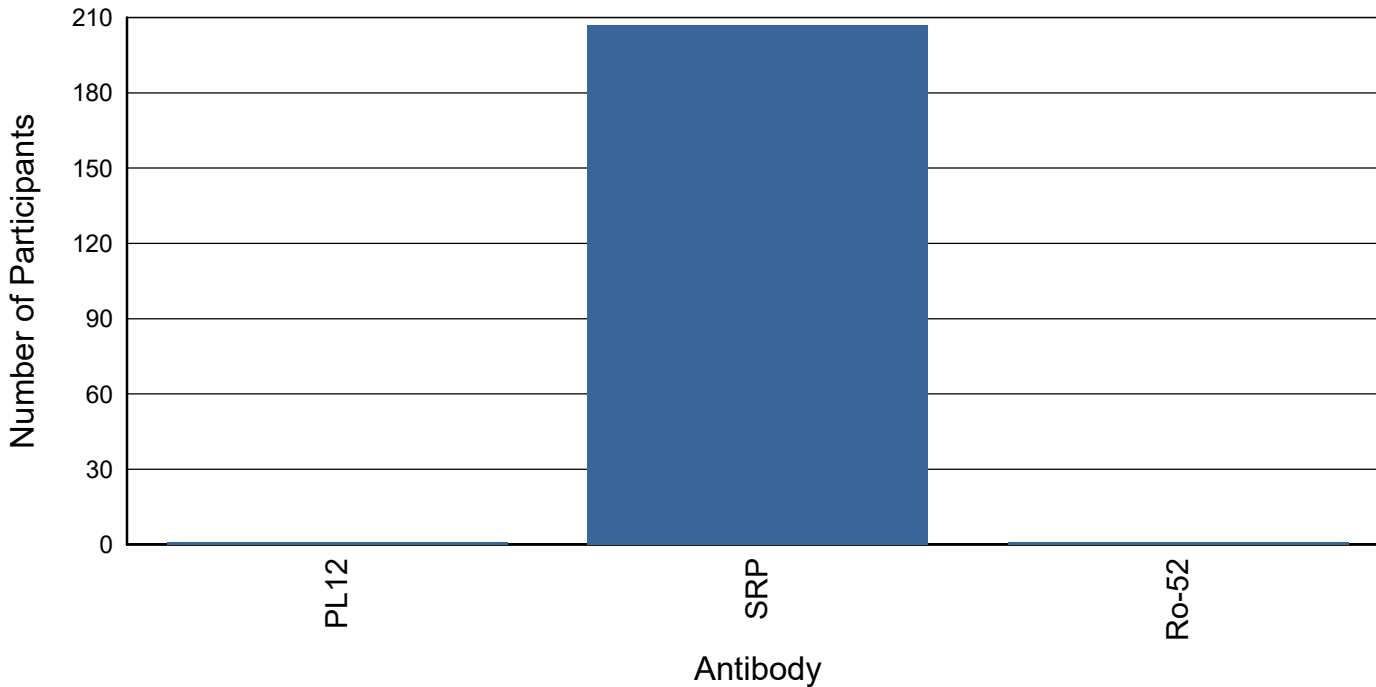
If laboratories require further assistance please contact the centre.

Summary Page for Sample 243-1

Myositis Associated Antibodies	Present	Absent
	166	13

Antibody	Returns	Positive	Negative
Jo-1	223	0	223
PL7	215	0	215
PL12	215	1	214
PM-SCL100	208	0	208
Mi-2	217	0	217
SRP	215	207	8
Other	165	1	164
Ro-52	1	1	
ANA	196	129	67

Positive Responses



Your Results for Sample 243-1

Jo-1: Negative

Jo-1 Method: Immunoblotting/Immunodot

Jo-1 Manufacturer: Euroimmun Myositis Profile 3

PM-SCL100: Negative

PM-SCL 100 Method: Immunoblotting/Immunodot

PM-SCL100 Manufacturer: Euroimmun Myositis Profile 3

Other: Negative

Other Method: Immunoblotting/Immunodot

Other Manufacturer: Euroimmun Myositis Profile 3

Software used EUROLineScan

PL7: Negative

PL7 Method: Immunoblotting/Immunodot

PL7 Manufacturer: Euroimmun Myositis Profile 3

Mi-2: Negative

Mi-2 Method: Immunoblotting/Immunodot

Mi-2 Manufacturer: Euroimmun Myositis Profile 3

PL12: Negative

PL12 Method: Immunoblotting/Immunodot

PL12 Manufacturer: Euroimmun Myositis Profile 3

SRP: Positive

SRP Method: Immunoblotting/Immunodot

SRP Manufacturer: Euroimmun Myositis Profile 3

	Jo-1		PL7		PL12		PM-SCL100		Mi-2		SRP		Other	
	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG
Enzyme Immunoassay/ELISA	0	10	0	1	0	1	0	11	0	8	1	0	0	1
Other ...	0	1	0	1	0	1	0	1	0	1	1	0	0	1
Phadia 250 EliA	0	9	0	0	0	0	0	10	0	7	0	0	0	0
Immunoblotting/Immunodot	0	205	0	211	1	210	0	193	0	205	204	7	1	160
A. Menarini - Zenit Amidot	0	1	0	1	0	1	0	1	0	1	0	1	0	0
Aesku Myositis Profile	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Alpha Dia Myositis Profile 10	0	0	0	0	0	1	0	1	0	0	0	0	0	2
Alpha Dia Myositis Profile 12	0	24	0	27	1	24	0	11	0	29	26	3	1	13
Alpha Dia Myositis Profile 9	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Alpha Dia Synthetase Profile 10	0	4	0	5	0	4	0	2	0	0	3	0	0	1
D-Tek MYO 12	0	7	0	7	0	7	0	4	0	7	7	0	0	6
D-Tek MYO 7D-24	0	0	0	0	0	0	0	0	0	1	0	0	0	0
D-Tek MYOS 12DIV	0	3	0	2	0	3	0	1	0	3	2	0	0	1
D-Tek MYOS12D-24	0	6	0	7	0	6	0	3	0	6	6	1	0	5
D-Tek PMS12D-24	0	5	0	5	0	5	0	6	0	4	5	0	0	3
Euroimmun Euroline Auto. Imm. Myopathie	0	5	0	5	0	5	0	5	0	5	5	0	0	3
Euroimmun Myositis Profile	0	6	0	6	0	6	0	6	0	5	4	1	0	11
Euroimmun Myositis Profile 16	0	118	0	119	0	122	0	118	0	119	119	1	0	95
Euroimmun Myositis Profile 3	0	10	0	10	0	10	0	10	0	10	10	0	0	7
Euroimmun Myositis Profile 4	0	12	0	13	0	11	0	14	0	10	13	0	0	9
Euroimmun Syst. Sclerosis Profile	0	0	0	0	0	0	0	5	0	0	0	0	0	1
Generic Assays Dot Diver Myositis 10	0	2	0	2	0	2	0	1	0	2	2	0	0	2
ORGenTec Myositis Plus	0	1	0	1	0	1	0	1	0	1	1	0	0	0
Other ...	0	1	0	1	0	1	0	4	0	1	1	0	0	1
Other ...	0	7	0	2	0	2	0	2	0	2	1	0	0	1
Other ...	0	7	0	2	0	2	0	2	0	2	1	0	0	1

	PM-SCL75	PM-SCL	Ro-52	AMA-M2	Ku	Ku (p70/80)	Mi-2 Alpha	Mi-2 Beta	U1-snRNP	Rib-P	OJ	EJ	MDA5	TIF1-y	HMGCR	SAE 1	SAE 2	NXP 2	Other
	POS	POS	POS	POS	POS	POS	POS	POS	POS	POS	POS	POS	POS	POS	POS	POS	POS	POS	POS
Immunoblotting/Immunodot	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alpha Dia Myositis Profile 12	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

	Qualitative	Quantitative	Unit	Method	Manufacturer
Your Response:	Positive	None	Titre	Indirect Immunofluorescence	Euroimmun

Pattern Source	Pattern Category (ICAP)	Count
Nuclear	Homogeneous (AC-1)	17
Nuclear	Nucleolar (AC-8, AC-9, AC-10)	10
Nuclear	Speckled (AC-2, AC-4, AC-5, AC-29)	34
Nuclear	Dense fine speckled (AC-2)	2
Nuclear	Fine speckled (AC-4)	12
Nuclear	Large/coarse speckled (AC-5)	1
Nuclear	Homogeneous nucleolar (AC-8)	2
Cytoplasmic	Reticular / AMA (AC-21)	1
Cytoplasmic	Fibrillar (AC-15, AC-16, AC-17)	1
Cytoplasmic	Speckled (AC-18, AC-19, AC-20)	117
Cytoplasmic	Filamentous/microtubules (AC-16)	1
Cytoplasmic	Dense fine speckled (AC-19)	52
Cytoplasmic	Fine speckled (AC-20)	20
Negative	Negative (AC-0)	50

	Returns	Positive	Negative	Mean	Observed Range
Indirect Immunofluorescence	191	129	62	130	0 320
HEp-2	178	119	59	126	0 320
A. Menarini - Zenit EIA	5	3	2	80	80 80
AESKU	13	11	2	137	80 160
BioDiagnostics	2	2	0	160	160 160
Bio-Rad/Kallestad/Sanofi	8	6	2	224	80 640
Biosystems	1	0	1	0	0 0
Euroimmun	63	46	17	151	0 320
Immunoconcepts	8	6	2	147	80 200
In House	1	1	0	160	160 160
Inova	74	42	32	104	20 160
Other ...	1	1	0	160	160 160
Trinity Biotech	1	1	0	40	40 40
ZEUS	1	0	1	0	0 0
HEp-2000	12	10	2	217	80 400
Immunoconcepts	12	10	2	217	80 400
Other ...	1	0	1	0	0 0
Immunoconcepts	1	0	1	0	0 0

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

	Returns	Positive	Negative	Mean	Observed Range	
Enzyme Immunoassay/ELISA	3	0	3	3	0	7
IU/ml						
Inova	2	0	2	5	3	7
Ratio						
Phadia 250 EliA	1	0	1	0	0	0
Other ...	1	0	1	0	0	0
Other ...						
Other ...	1	0	1	0	0	0

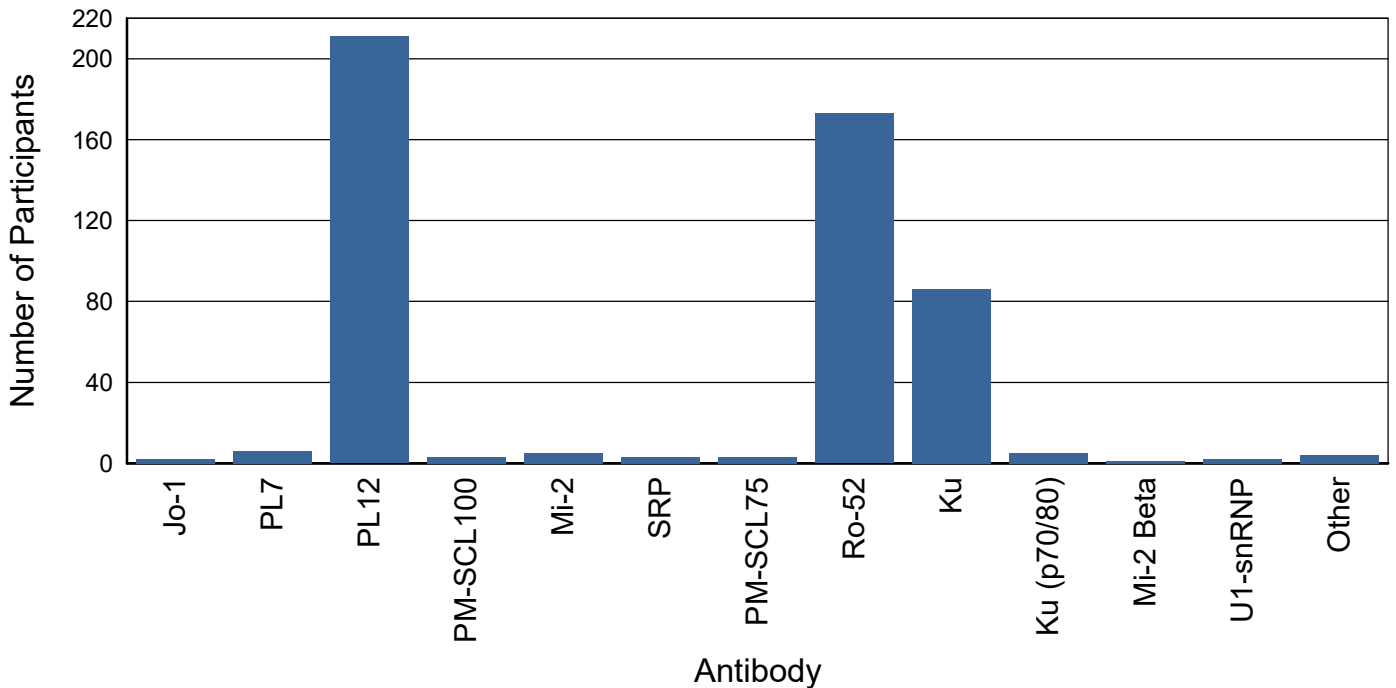
Please note: The statistical figures in the tables above are trimmed

Summary Page for Sample 243-2

Myositis Associated Antibodies	Present	Absent
	158	3

Antibody	Returns	Positive	Negative
Jo-1	221	2	219
PL7	212	6	206
PL12	215	211	4
PM-SCL100	206	3	203
Mi-2	215	5	210
SRP	211	3	208
Other	198	185	13
PM-SCL75	3	3	
Ro-52	173	173	
Ku	86	86	
Ku (p70/80)	5	5	
Mi-2 Beta	1	1	
U1-snRNP	2	2	
Other	4	4	
ANA	194	171	23

Positive Responses



Your Results for Sample 243-2

Jo-1: Negative

Jo-1 Method: Immunoblotting/Immunodot

Jo-1 Manufacturer: Euroimmun Myositis Profile 3

PM-SCL100: Negative

PM-SCL 100 Method: Immunoblotting/Immunodot

PM-SCL100 Manufacturer: Euroimmun Myositis Profile 3

Other: Positive

Other Method: Immunoblotting/Immunodot

Other Manufacturer: Euroimmun Myositis Profile 3

Software used EUROLineScan

PL7: Negative

PL7 Method: Immunoblotting/Immunodot

PL7 Manufacturer: Euroimmun Myositis Profile 3

Mi-2: Negative

Mi-2 Method: Immunoblotting/Immunodot

Mi-2 Manufacturer: Euroimmun Myositis Profile 3

PL12: Positive

PL12 Method: Immunoblotting/Immunodot

PL12 Manufacturer: Euroimmun Myositis Profile 3

SRP: Negative

SRP Method: Immunoblotting/Immunodot

SRP Manufacturer: Euroimmun Myositis Profile 3

	Jo-1		PL7		PL12		PM-SCL100		Mi-2		SRP		Other	
	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG
Enzyme Immunoassay/ELISA	0	10	0	1	1	0	1	10	1	6	0	1	0	1
Other ...	0	1	0	1	1	0	0	1	0	1	0	1	0	1
Phadia 250 EliA	0	9	0	0	0	0	1	9	1	5	0	0	0	0
Immunoblotting/Immunodot	2	202	5	204	207	4	2	190	3	202	3	205	180	12
A. Menarini - Zenit Amidot	0	1	0	1	1	0	0	1	0	1	0	1	0	0
Aesku Myositis Profile	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Alpha Dia Myositis Profile 10	0	0	0	0	1	0	0	1	0	0	0	0	2	0
Alpha Dia Myositis Profile 12	0	23	1	24	24	1	0	10	0	28	1	27	16	3
Alpha Dia Myositis Profile 9	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Alpha Dia Synthetase Profile 10	0	4	0	5	4	0	0	2	0	0	0	3	0	1
D-Tek MYO 12	0	7	0	7	7	0	0	4	0	7	0	7	5	2
D-Tek MYO 7D-24	0	0	0	0	0	0	0	0	0	1	0	0	0	0
D-Tek MYOS 12DIV	0	3	0	2	3	0	0	1	0	3	0	2	2	0
D-Tek MYOS12D-24	0	6	0	7	6	0	0	3	0	6	0	7	5	0
D-Tek PMS12D-24	0	6	0	6	6	0	0	7	0	6	0	6	4	1
Euroimmun Euroline Auto. Imm. Myopathie	0	5	0	5	5	0	0	5	0	5	0	5	4	0
Euroimmun Myositis Profile	0	6	1	5	6	0	0	6	0	5	0	5	14	1
Euroimmun Myositis Profile 16	2	115	3	115	118	3	2	115	3	114	2	115	105	2
Euroimmun Myositis Profile 3	0	10	0	10	10	0	0	10	0	10	0	10	9	1
Euroimmun Myositis Profile 4	0	12	0	13	11	0	0	14	0	11	0	13	11	0
Euroimmun Syst. Sclerosis Profile	0	0	0	0	0	0	0	5	0	0	0	0	1	0
Generic Assays Dot Diver Myositis 10	0	2	0	2	2	0	0	1	0	2	0	2	1	1
ORGenTec Myositis Plus	0	1	0	1	1	0	0	1	0	1	0	1	0	0
Other ...	0	1	0	1	1	0	0	4	0	1	0	1	1	0
Other ...	0	6	0	1	2	0	0	1	0	1	0	1	1	0
Other ...	0	6	0	1	2	0	0	1	0	1	0	1	1	0

	PM-SCL75	PM-SCL	Ro-52	AMA-M2	Ku	Ku (p70/80)	Mi-2 Alpha	Mi-2 Beta	U1-snrRNP	Rib-P	OJ	EJ	MDA5	TIF1-y	HMGCR	SAE 1	SAE 2	NXP 2	Other
	POS	POS	POS	POS	POS	POS	POS	POS	POS	POS	POS	POS	POS	POS	POS	POS	POS	POS	POS
Immunoblotting/Immunodot	2	0	168	0	85	5	0	0	2	0	0	0	0	0	0	0	0	0	4
Alpha Dia Myositis Profile 10	0	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
Alpha Dia Myositis Profile 12	0	0	15	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
D-Tek MYO 12	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D-Tek MYOS 12DIV	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D-Tek MYOS12D-24	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
D-Tek PMS12D-24	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euroimmun Euroline Auto. Imm. Myopathie	0	0	4	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euroimmun Myositis Profile	0	0	13	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euroimmun Myositis Profile 16	1	0	99	0	67	3	0	0	1	0	0	0	0	0	0	0	0	0	2
Euroimmun Myositis Profile 3	0	0	9	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Euroimmun Myositis Profile 4	1	0	9	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euroimmun Syst. Sclerosis Profile	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Generic Assays Dot Diver Myositis 10	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other ...	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other ...	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other ...	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

	Qualitative	Quantitative	Unit	Method	Manufacturer
Your Response:	Positive	None	Titre	Indirect Immunofluorescence	Euroimmun

Pattern Source	Pattern Category (ICAP)	Count
Nuclear	Homogeneous (AC-1)	2
Nuclear	Discrete nuclear dots (AC-6, AC-7)	6
Nuclear	Speckled (AC-2, AC-4, AC-5, AC-29)	27
Nuclear	Fine speckled (AC-4)	13
Nuclear	Large/coarse speckled (AC-5)	2
Nuclear	Multiple nuclear dots (AC-6)	2
Nuclear	Few nuclear dots (AC-7)	2
Cytoplasmic	Speckled (AC-18, AC-19, AC-20)	169
Cytoplasmic	Dense fine speckled (AC-19)	103
Cytoplasmic	Fine speckled (AC-20)	16
Negative	Negative (AC-0)	16

	Returns	Positive	Negative	Mean	Observed Range
Indirect Immunofluorescence	189	166	23	472	2 1280
HEp-2	176	155	21	462	2 1280
A. Menarini - Zenit EIA	5	4	1	107	80 160
AESKU	13	13	0	411	160 640
BioDiagnostics	2	2	0	320	320 320
Bio-Rad/Kallestad/Sanofi	8	5	3	667	80 1280
Biosystems	1	1	0	0	0 0
Euroimmun	62	60	2	445	2 1000
Immunoconcepts	8	7	1	340	80 800
In House	1	1	0	640	640 640
Inova	73	60	13	418	80 1280
Other ...	1	1	0	640	640 640
Trinity Biotech	1	1	0	0	0 0
ZEUS	1	0	1	0	0 0
HEp-2000	12	10	2	834	80 1600
Immunoconcepts	12	10	2	834	80 1600
Other ...	1	1	0	80	80 80
Immunoconcepts	1	1	0	80	80 80

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

	Returns	Positive	Negative	Mean	Observed Range	
Enzyme Immunoassay/ELISA	4	4	0	56	4	116
IU/ml						
Inova	2	2	0	108	100	116
Ratio						
Phadia 250 EliA	1	1	0	6	6	6
Phadia 250 EliA (CTD)	1	1	0	4	4	4
Other ...	1	1	0	0	0	0
Other ...						
Other ...	1	1	0	0	0	0

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