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UK NEQAS for Autoimmune Serology ANCA and GBM

Distribution : 185	September 2018	Participant : 94317
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486 out of 538 participants returned data for this distribution. 90 % response rate.

Nil Responses

1233A, 1583, 10668, 11690, 12187, 13923, 14193, 14343, 14575, 14638, 14640, 14668, 14873, 14874, 14888, 90413, 90604, 90610A, 90856, 91458, 91593, 91624, 91666, 91741, 91896, 92347, 92394, 92700, 92761, 92847, 94633A, 94931, 95042, 95108, 95390H, 95496, 95551, NOKLUS, YVSOLAB, CSCQ, ORG_G, ORG_A, ANAND, ORG, BIOG, INFO, CODEX, TVN, SEQC, TVNR, VAR, DEKS

Sample 185-1 was a single donor sample from a patient with Granulomatosis with Polyangiitis (Wegener's) (GPA).

Sample 185-2 was a sample made from pooled normal human serum.

Sample	Method	Analyte	Target Response	Your Response	Score
185-1	IIF	ANCA	C.ANCA Positive / P.ANCA Negative	No Response	0
		GBM	Negative	No Response	0
	Immunoassay	ANCA	PR3 Positive / MPO Negative	PR3 Positive / MPO Negative	0
		GBM	Negative	Negative	0

Sample	Method	Analyte	Target Response	Your Response	Score	OMIS
185-2	IIF	ANCA	C.ANCA Negative / P.ANCA Negative	No Response	0	0
		GBM	Negative	No Response	0	0
	Immunoassay	ANCA	PR3 Negative / MPO Negative	PR3 Negative / MPO Negative	0	0
		GBM	Negative	Negative	0	0
					Total MIS	0

The current window of analysis comprises the previous six distributions.

Comments

Sample 185-1 was a sample from a patient with Granulomatosis with Polyangiitis (Wegener's) (GPA).

Overall, 222/339 (65%) of laboratories reported a positive C-ANCA pattern with consensus for this sample lower than expected. Further analysis suggests that the cause of this relates to the majority of results received from participants using slides from a single manufacturer, the largest method group, being out of consensus. Many users from this method group reported the sample as a P-ANCA positive sample. It should be noted that a positive IIF pattern for P-ANCA is not a patient safety issue if it is only used as a screen for subsequent testing using EIA.

Participants using this manufacturer's slides and who are out of consensus should ask themselves why they are seeing different immunofluorescence patterns to the majority of users from other IIF methods and complete their EQA root cause analysis forms.

We intend to investigate the issues raised by sample 185-1 further and communicate our findings in an educational commentary. We would be grateful if participants could assist by sending their images of their IIF slides for this sample to us.

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, 10681, 10686, 10702, 10776, 12191, 14481) were in agreement in providing the target responses.

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


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

ANCA

	Total MIS
 Good	Zero
 Adequate	1-2
 Poor	>2

A MIS of 2 or more for any one analyte will also be classified as poor performance.

GBM

	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.

ANCA and GBM - Sample 185-1

Distribution : 185

September 2018

Participant 94317

SUMMARY OF RESPONSES

	C ANCA		P ANCA		ANCA (Screen Only)		ATypical	GBM	
	Pos	Neg	Pos	Neg	Pos	Neg	ANCA Pos	Pos	Neg
Indirect Immunofluorescence	222	117	106	233	8	0	23	0	50
A. Menarini - Zenit EIA	16	3	2	17	0	0	0	0	0
ACCUSAY	5	1	0	6	0	0	0	0	0
Alpha Dia	0	0	0	0	0	0	0	0	2
BioDiagnostics	4	0	0	4	0	0	0	0	1
Bio-Rad/Kallestad/Sanofi	8	2	1	8	0	0	2	0	0
Biosystems	3	1	1	3	0	0	0	0	0
Euroimmun	72	4	3	73	0	0	1	0	14
Immunoconcepts	6	0	0	6	1	0	0	0	0
In House	6	0	0	6	0	0	0	0	0
Inova	68	100	94	74	5	0	18	0	25
Not Stated	0	0	0	0	0	0	2	0	0
ORGenTec	0	0	0	1	0	0	0	0	0
ORGenTec Alegria	0	0	0	0	2	0	0	0	0
Other ...	24	4	3	25	0	0	0	0	1
Trinity Biotech (Immco)	9	2	2	9	0	0	0	0	7
	PR3		MPO		GBM				
	Pos	Neg	Pos	Neg				Pos	Neg
Immunoassay	436	18	6	449				1	362
A. Menarini - Zenit EIA	1	0	0	1				0	0
A. Menarini - Zenit RA	17	1	1	17				0	9
AESKU	5	0	0	6				0	3
Aeskulisa PR3 Sensitive	1	0	0	0				0	0
Alpha Dia	3	2	0	5				0	5
Biodiagnostics Quickcard	0	0	0	0				0	4
Diasorin	1	0	0	1				0	0
D-tek	2	4	0	6				0	6
Eurodiagnostica Diastat	1	0	0	1				0	0
Eurodiagnostica Weislab	3	0	0	3				0	10
Eurodiagnostica Weislab Capture	10	0	0	9				0	0
Euroimmun	24	1	1	26				0	17
Euroimmun PR3-hn-hr	2	0	0	0				0	0
Genesis	1	0	0	1				0	0
In House	1	0	0	3				0	1
Inova	15	0	0	14				0	6
Inova QUANTA Flash	48	1	0	49				0	33
Luminex Tech. - Bio-Rad Bioplex 2200	35	2	2	35				0	33
Luminex Tech. - THERADIAG (BMD)	3	0	0	3				0	3
Not Stated	0	0	0	0				0	1
ORGenTec	15	1	0	20				0	12
ORGenTec Alegria	17	1	0	19				0	20
Orgentec PR3 hs	2	0	0	0				0	0
Other ...	7	1	0	8				0	7
Phadia 100 EliA	2	0	0	2				0	6
Phadia 100 EliA (MPOS)	0	0	0	2				0	0
Phadia 100 EliA (PR3S)	3	0	0	0				0	0
Phadia 1000/2500 EliA	11	0	0	11				0	11
Phadia 250 EliA	66	1	0	66				1	171
Phadia 250 EliA (MPOS)	0	0	2	139				0	0
Phadia 250 EliA (PR3S)	137	3	0	0				0	0
Trinity Biotech	1	0	0	1				0	0
Wieslab	1	0	0	0				0	4
ZEUS	1	0	0	1				0	0

ANCA and GBM - Sample 185-1

Distribution : 185

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INDIRECT IMMUNOFLUORESCENCE

Your Results

<p>C ANCA: No Response C ANCA Quantitation: C ANCA Unit: C ANCA Manufacturer:</p> <p>P ANCA: No Response P ANCA Quantitation: P ANCA Unit: P ANCA Manufacturer:</p>	<p>ANCA Screen: No Response ANCA Screen Manufacturer: Atypical ANCA: No Response Atypical ANCA Manufacturer:</p> <p>GBM: No Response GBM Quantitation: GBM Unit: GBM Manufacturer:</p>
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C ANCA	Returns	Positive	Negative	Mean	Range		
1/titre	336	221	115	46.48	0.00	-	160.00
A. Menarini - Zenit EIA	19	16	3	32.50	20.00	-	40.00
ACCUSAY	6	5	1	10.00	0.00	-	20.00
BioDiagnostics	4	4	0	66.67	40.00	-	80.00
Bio-Rad/Kallestad/Sanofi	10	8	2	50.00	20.00	-	80.00
Biosystems	4	3	1	20.00	20.00	-	20.00
Euroimmun	76	72	4	52.86	1.00	-	160.00
Immunoconcepts	6	6	0	53.33	40.00	-	80.00
In House	6	6	0	220.00	80.00	-	640.00
Inova	168	68	100	43.62	0.00	-	160.00
Other ...	26	24	2	36.07	1.00	-	80.00
Trinity Biotech (Immco)	11	9	2	50.17	1.00	-	160.00
OTHER UNITS	2	0	2				
Other ...	2	0	2	0.00	0.00	-	0.00
P ANCA							
1/titre	336	105	231	32.55	0.00	-	100.00
A. Menarini - Zenit EIA	19	2	17	36.67	20.00	-	80.00
ACCUSAY	6	0	6	0.00	0.00	-	0.00
BioDiagnostics	4	0	4	10.00	10.00	-	10.00
Bio-Rad/Kallestad/Sanofi	9	1	8	30.00	20.00	-	40.00
Biosystems	4	1	3	0.00	0.00	-	0.00
Euroimmun	76	3	73	15.00	0.00	-	40.00
Immunoconcepts	6	0	6	20.00	20.00	-	20.00
In House	6	0	6	10.00	0.00	-	20.00
Inova	168	94	74	41.67	0.00	-	100.00
ORGenTec	1	0	1	20.00	20.00	-	20.00
Other ...	26	2	24	20.00	20.00	-	20.00
Trinity Biotech (Immco)	11	2	9	40.25	1.00	-	80.00
OTHER UNITS	2	1	1				
Other ...	2	1	1	0.00	0.00	-	0.00

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

ANCA and GBM - Sample 185-1

Distribution : 185

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INDIRECT IMMUNOFLUORESCENCE

ANCA Screen

	Returns	Positive	Negative
	8	8	0
Immunoconcepts	1	1	0
Inova	5	5	0
ORGenTec Alegria	2	2	0

Atypical ANCA

	Returns
	23
Bio-Rad/Kallestad/Sanofi	2
Euroimmun	1
Inova	18
Not Stated	2

GBM

	Returns	Positive	Negative	Mean	Range		
1/titre	48	0	48	9.33	0.00	-	20.00
Alpha Dia	2	0	2	0.00	0.00	-	0.00
BioDiagnostics	1	0	1	5.00	5.00	-	5.00
Euroimmun	14	0	14	7.50	0.00	-	10.00
Inova	24	0	24	9.38	0.00	-	20.00
Trinity Biotech (Immco)	7	0	7	15.00	10.00	-	20.00
OTHER UNITS	2	0	2				
Inova	1	0	1	0.00	0.00	-	0.00
Other ...	1	0	1	0.00	0.00	-	0.00

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

ANCA and GBM - Sample 185-1

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IMMUNOASSAY

Your Results

<p>PR3: Positive PR3 Quantitation: 12 PR3 Unit: IU/mL or U/mL PR3 Manufacturer: Phadia 1000/2500 EliA</p> <p>MPO: Negative MPO Quantitation: 0.4 MPO Unit: IU/mL or U/mL MPO Manufacturer: Phadia 1000/2500 EliA</p>	<p>GBM: Negative GBM Quantitation: 0.8 GBM Unit: IU/mL or U/mL GBM Manufacturer: Phadia 1000/2500 EliA</p>
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PR3 IU/mL or U/mL	Returns	Positive	Negative	Mean	Range		
	232	225	7	65.42	0.00	- 288.50	
A. Menarini - Zenit EIA	1	1	0	274.70	274.70	-	274.70
A. Menarini - Zenit RA	18	17	1	317.98	187.00	-	451.00
AESKU	5	5	0	52.72	24.40	-	96.30
Alpha Dia	1	1	0	10.00	10.00	-	10.00
Diasorin	1	1	0	17.00	17.00	-	17.00
Eurodiagnostica Diastat	1	1	0	44.70	44.70	-	44.70
Eurodiagnostica Weislab	3	3	0	90.33	23.00	-	134.00
Eurodiagnostica Weislab Capture	10	10	0	119.37	20.00	-	231.00
Euroimmun	17	16	1	119.47	65.00	-	185.00
Genesis	1	1	0	2.78	2.78	-	2.78
In House	1	1	0	16.00	16.00	-	16.00
Inova	15	15	0	68.26	39.00	-	100.00
Inova QUANTA Flash	32	32	0	131.19	42.80	-	219.00
Luminex Tech. - Bio-Rad Bioplex 2200	3	2	1	3.00	0.20	-	4.50
Luminex Tech. - THERADIAG (BMD)	3	3	0	253.33	237.00	-	262.00
ORGenTec	15	14	1	33.33	3.60	-	81.00
ORGenTec Alegria	18	17	1	36.28	3.10	-	64.00
Other ...	4	3	1	55.08	0.00	-	96.30
Phadia 100 EliA	2	2	0	18.20	15.00	-	21.40
Phadia 1000/2500 EliA	11	11	0	15.93	12.00	-	21.00
Phadia 250 EliA	67	66	1	16.72	8.40	-	23.60
Trinity Biotech	1	1	0	5.91	5.91	-	5.91
Wieslab	1	1	0	132.00	132.00	-	132.00
ZEUS	1	1	0	925.00	925.00	-	925.00
OTHER UNITS	222	211	11	67.51	0.00	-	260.60
Aeskulisa PR3 Sensitive	1	1	0	25.00	25.00	-	25.00
Alpha Dia	4	2	2	1.68	0.00	-	10.00
D-tek	6	2	4	0.33	0.00	-	1.00
Euroimmun	8	8	0	20.62	0.00	-	100.00
Euroimmun PR3-hn-hr	2	2	0	136.00	102.00	-	170.00
Inova QUANTA Flash	17	16	1	188.40	136.00	-	260.60
Luminex Tech. - Bio-Rad Bioplex 2200	34	33	1	4.73	3.90	-	5.40
ORGenTec	1	1	0	2.00	2.00	-	2.00
Orgentec PR3 hs	2	2	0	72.75	42.50	-	103.00
Other ...	4	4	0	133.50	1.00	-	458.00
Phadia 100 EliA (PR3S)	3	3	0	15.67	12.00	-	20.00
Phadia 250 EliA (PR3S)	140	137	3	16.62	10.00	-	23.00

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

ANCA and GBM - Sample 185-1

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Participant 94317

IMMUNOASSAY

MPO	Returns	Positive	Negative	Mean	Range		
IU/mL or U/mL	237	3	234	1.51	0.00	-	17.00
A. Menarini - Zenit EIA	1	0	1	2.80	2.80	-	2.80
A. Menarini - Zenit RA	18	1	17	1.43	0.00	-	4.80
AESKU	6	0	6	1.87	0.79	-	2.80
Alpha Dia	1	0	1	0.00	0.00	-	0.00
Diasorin	1	0	1	1.00	1.00	-	1.00
Eurodiagnostica Diastat	1	0	1	0.00	0.00	-	0.00
Eurodiagnostica Weislab	3	0	3	0.83	0.65	-	1.00
Eurodiagnostica Weislab Capture	9	0	9	0.73	0.00	-	1.40
Euroimmun	18	1	17	3.98	0.00	-	8.00
Genesis	1	0	1	0.50	0.50	-	0.50
In House	3	0	3	2.85	0.70	-	5.00
Inova	14	0	14	2.76	0.40	-	5.50
Inova QUANTA Flash	32	0	32	2.69	0.00	-	5.20
Luminex Tech. - Bio-Rad Bioplex 2200	3	1	2	5.10	5.10	-	5.10
Luminex Tech. - THERADIAG (BMD)	3	0	3	1.00	1.00	-	1.00
ORGenTec	19	0	19	0.98	0.00	-	2.00
ORGenTec Alegria	19	0	19	1.32	1.00	-	2.00
Other ...	4	0	4	1.83	0.00	-	3.00
Phadia 100 EliA	2	0	2	0.15	0.00	-	0.30
Phadia 1000/2500 EliA	11	0	11	0.37	0.20	-	0.60
Phadia 250 EliA	66	0	66	0.39	0.10	-	0.60
Trinity Biotech	1	0	1	0.82	0.82	-	0.82
ZEUS	1	0	1	17.00	17.00	-	17.00
OTHER UNITS	218	3	215	1.30	0.00	-	5.80
Alpha Dia	4	0	4	0.02	0.00	-	0.10
D-tek	6	0	6	0.00	0.00	-	0.00
Euroimmun	9	0	9	1.92	0.00	-	5.80
Inova QUANTA Flash	17	0	17	3.59	2.30	-	5.00
Luminex Tech. - Bio-Rad Bioplex 2200	34	1	33	0.20	0.20	-	0.20
ORGenTec	1	0	1	0.00	0.00	-	0.00
Other ...	4	0	4	32.06	0.00	-	126.00
Phadia 100 EliA (MPOS)	2	0	2	0.50	0.50	-	0.50
Phadia 250 EliA (MPOS)	141	2	139	0.36	0.00	-	1.10

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

ANCA and GBM - Sample 185-1

Distribution : 185

September 2018

Participant 94317

IMMUNOASSAY

GBM	Returns	Positive	Negative	Mean	Range		
IU/mL or U/mL	284	1	283	1.37	0.00	-	5.30
A. Menarini - Zenit RA	9	0	9	0.21	0.00	-	0.90
AESKU	3	0	3	1.30	0.80	-	2.00
Eurodiagnostica Weislab	10	0	10	1.41	0.00	-	2.49
Euroimmun	5	0	5	1.88	0.00	-	3.00
In House	1	0	1	0.00	0.00	-	0.00
Inova	6	0	6	3.01	0.08	-	6.00
Inova QUANTA Flash	18	0	18	2.47	1.50	-	3.00
Luminex Tech. - Bio-Rad Bioplex 2200	3	0	3	0.00	0.00	-	0.00
Luminex Tech. - THERADIAG (BMD)	3	0	3	0.33	0.00	-	1.00
ORGenTec	11	0	11	3.99	0.20	-	8.00
ORGenTec Alegria	20	0	20	4.29	0.10	-	6.80
Other ...	4	0	4	2.18	0.00	-	3.70
Phadia 100 EliA	6	0	6	0.85	0.00	-	1.50
Phadia 1000/2500 EliA	11	0	11	1.44	0.80	-	2.30
Phadia 250 EliA	172	1	171	0.88	0.00	-	2.00
Wieslab	2	0	2	5.30	5.30	-	5.30
OTHER UNITS	79	0	79	1.12	0.00	-	4.00
Alpha Dia	5	0	5	0.02	0.00	-	0.10
Biodiagnostics Quickcard	4	0	4	0.00	0.00	-	0.00
D-tek	6	0	6	0.00	0.00	-	0.00
Euroimmun	12	0	12	1.14	0.00	-	4.00
Inova QUANTA Flash	15	0	15	2.92	1.80	-	4.00
Luminex Tech. - Bio-Rad Bioplex 2200	30	0	30	0.20	0.20	-	0.20
Not Stated	1	0	1	0.00	0.00	-	0.00
ORGenTec	1	0	1	0.00	0.00	-	0.00
Other ...	3	0	3	40.33	0.00	-	121.00
Wieslab	2	0	2	0.57	0.13	-	1.00

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

ANCA and GBM - Sample 185-2

Distribution : 185

September 2018

Participant 94317

SUMMARY OF RESPONSES

	C ANCA		P ANCA		ANCA (Screen Only)		ATypical ANCA	GBM	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Pos	Neg
Indirect Immunofluorescence	2	334	10	326	2	7	6	0	52
A. Menarini - Zenit EIA	0	19	0	19	0	0	0	0	0
ACCUSAY	0	6	0	6	0	0	0	0	0
Alpha Dia	0	0	0	0	0	0	0	0	2
BioDiagnostics	0	4	0	4	0	0	0	0	1
Bio-Rad/Kallestad/Sanofi	0	10	0	9	0	0	0	0	0
Biosystems	0	3	0	3	0	0	0	0	1
Euroimmun	2	73	0	75	0	0	1	0	14
Immunoconcepts	0	6	0	6	0	1	0	0	0
In House	0	6	0	6	0	0	0	0	0
Inova	0	167	9	159	2	4	5	0	26
ORGenTec Alegria	0	0	0	0	0	2	0	0	0
Other ...	0	28	0	28	0	0	0	0	1
Trinity Biotech (Immco)	0	11	1	10	0	0	0	0	7

	PR3		MPO		GBM	
	Pos	Neg	Pos	Neg	Pos	Neg
Immunoassay	2	449	0	452	1	361
A. Menarini - Zenit EIA	0	1	0	1	0	0
A. Menarini - Zenit RA	0	18	0	18	0	9
AESKU	0	5	0	6	0	3
Aeskulisa PR3 Sensitive	0	1	0	0	0	0
Alpha Dia	0	5	0	5	0	5
Biodiagnostics Quickcard	0	0	0	0	0	4
Diasorin	0	1	0	1	0	0
D-tek	0	6	0	6	0	6
Eurodiagnostica Diastat	0	1	0	1	0	0
Eurodiagnostica Weislab	0	3	0	3	0	10
Eurodiagnostica Weislab Capture	0	10	0	9	0	0
Euroimmun	0	24	0	26	0	17
Euroimmun PR3-hn-hr	0	2	0	0	0	0
Genesis	0	1	0	1	0	0
Hycor Biomedical	0	1	0	1	0	0
In House	0	1	0	3	0	1
Inova	0	15	0	14	1	5
Inova QUANTA Flash	0	49	0	49	0	33
Luminex Tech. - Bio-Rad Bioplex 2200	0	37	0	37	0	33
Luminex Tech. - THERADIAG (BMD)	0	3	0	3	0	3
Not Stated	0	0	0	0	0	1
ORGenTec	0	16	0	20	0	12
ORGenTec Alegria	0	16	0	17	0	19
Orgentec PR3 hs	0	2	0	0	0	0
Other ...	0	8	0	8	0	7
Phadia 100 EliA	0	2	0	2	0	6
Phadia 100 EliA (MPOS)	0	0	0	2	0	0
Phadia 100 EliA (PR3S)	0	3	0	0	0	0
Phadia 1000/2500 EliA	0	10	0	10	0	11
Phadia 250 EliA	1	66	0	66	0	172
Phadia 250 EliA (MPOS)	0	0	0	141	0	0
Phadia 250 EliA (PR3S)	1	139	0	0	0	0
Trinity Biotech	0	1	0	1	0	0
Wieslab	0	1	0	0	0	4
ZEUS	0	1	0	1	0	0

ANCA and GBM - Sample 185-2

Distribution : 185

September 2018

Participant 94317

INDIRECT IMMUNOFLUORESCENCE

Your Results

<p>C ANCA: No Response</p> <p>C ANCA Quantitation:</p> <p>C ANCA Unit:</p> <p>C ANCA Manufacturer:</p> <p>P ANCA: No Response</p> <p>P ANCA Quantitation:</p> <p>P ANCA Unit:</p> <p>P ANCA Manufacturer:</p>	<p>ANCA Screen: No Response</p> <p>ANCA Screen Manufacturer:</p> <p>Atypical ANCA: No Response</p> <p>Atypical ANCA Manufacturer:</p> <p>GBM: No Response</p> <p>GBM Quantitation:</p> <p>GBM Unit:</p> <p>GBM Manufacturer:</p>
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C ANCA	Returns	Positive	Negative	Mean	Range		
1/titre	333	2	331	17.09	0.00	-	40.00
A. Menarini - Zenit EIA	19	0	19	28.00	20.00	-	40.00
ACCUSAY	6	0	6	0.00	0.00	-	0.00
BioDiagnostics	4	0	4	10.00	10.00	-	10.00
Bio-Rad/Kallestad/Sanofi	10	0	10	33.33	20.00	-	40.00
Biosystems	3	0	3	0.00	0.00	-	0.00
Euroimmun	75	2	73	14.29	0.00	-	40.00
Immunoconcepts	6	0	6	20.00	20.00	-	20.00
In House	6	0	6	10.00	0.00	-	20.00
Inova	167	0	167	15.14	0.00	-	40.00
Other ...	26	0	26	20.00	0.00	-	40.00
Trinity Biotech (Immco)	11	0	11	27.00	1.00	-	40.00
OTHER UNITS	2	0	2				
Other ...	2	0	2	0.00	0.00	-	0.00
P ANCA							
1/titre	333	10	323	17.60	0.00	-	50.00
A. Menarini - Zenit EIA	19	0	19	28.00	20.00	-	40.00
ACCUSAY	6	0	6	0.00	0.00	-	0.00
BioDiagnostics	4	0	4	10.00	10.00	-	10.00
Bio-Rad/Kallestad/Sanofi	9	0	9	30.00	20.00	-	40.00
Biosystems	3	0	3	0.00	0.00	-	0.00
Euroimmun	75	0	75	13.16	0.00	-	40.00
Immunoconcepts	6	0	6	20.00	20.00	-	20.00
In House	6	0	6	10.00	0.00	-	20.00
Inova	168	9	159	16.58	0.00	-	40.00
Other ...	26	0	26	20.00	0.00	-	40.00
Trinity Biotech (Immco)	11	1	10	40.25	1.00	-	80.00
OTHER UNITS	2	0	2				
Other ...	2	0	2	0.00	0.00	-	0.00

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

ANCA and GBM - Sample 185-2

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INDIRECT IMMUNOFLUORESCENCE

ANCA Screen

	Returns	Positive	Negative
	9	2	7
Immunoconcepts	1	0	1
Inova	6	2	4
ORGenTec Alegria	2	0	2

Atypical ANCA

	Returns
	6
Euroimmun	1
Inova	5

GBM

	Returns	Positive	Negative	Mean	Range		
1/titre	49	0	49	9.17	0.00	-	20.00
Alpha Dia	2	0	2	0.00	0.00	-	0.00
BioDiagnostics	1	0	1	5.00	5.00	-	5.00
Euroimmun	14	0	14	7.50	0.00	-	10.00
Inova	25	0	25	10.71	5.00	-	20.00
Trinity Biotech (Immco)	7	0	7	0.00	0.00	-	0.00
OTHER UNITS	3	0	3				
Biosystems	1	0	1	0.00	0.00	-	0.00
Inova	1	0	1	0.00	0.00	-	0.00
Other ...	1	0	1	0.00	0.00	-	0.00

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

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IMMUNOASSAY

Your Results

<p>PR3: Negative PR3 Quantitation: 0.2 PR3 Unit: IU/mL or U/mL PR3 Manufacturer: Phadia 1000/2500 EliA</p> <p>MPO: Negative MPO Quantitation: 0.3 MPO Unit: IU/mL or U/mL MPO Manufacturer: Phadia 1000/2500 EliA</p>	<p>GBM: Negative GBM Quantitation: 0.8 GBM Unit: IU/mL or U/mL GBM Manufacturer: Phadia 1000/2500 EliA</p>
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PR3	Returns	Positive	Negative	Mean	Range		
IU/mL or U/mL	230	1	229	1.13	0.00	-	5.30
A. Menarini - Zenit EIA	1	0	1	0.80	0.80	-	0.80
A. Menarini - Zenit RA	18	0	18	0.42	0.00	-	1.70
AESKU	5	0	5	1.84	0.80	-	5.30
Alpha Dia	1	0	1	0.00	0.00	-	0.00
Diasorin	1	0	1	1.00	1.00	-	1.00
Eurodiagnostica Diastat	1	0	1	0.00	0.00	-	0.00
Eurodiagnostica Weislab	3	0	3	0.90	0.80	-	1.00
Eurodiagnostica Weislab Capture	10	0	10	0.91	0.00	-	1.50
Euroimmun	16	0	16	1.11	0.00	-	3.12
Genesis	1	0	1	0.04	0.04	-	0.04
Hycor Biomedical	1	0	1	1.60	1.60	-	1.60
In House	1	0	1	0.00	0.00	-	0.00
Inova	15	0	15	2.86	1.00	-	5.20
Inova QUANTA Flash	33	0	33	1.67	0.00	-	3.00
Luminex Tech. - Bio-Rad Bioplex 2200	3	0	3	0.00	0.00	-	0.00
Luminex Tech. - THERADIAG (BMD)	3	0	3	2.00	1.00	-	3.00
ORGenTec	15	0	15	1.36	0.90	-	2.00
ORGenTec Alegria	16	0	16	1.21	0.30	-	1.80
Other ...	4	0	4	3.15	0.00	-	5.30
Phadia 100 EliA	2	0	2	0.10	0.00	-	0.20
Phadia 1000/2500 EliA	10	0	10	0.57	0.20	-	1.10
Phadia 250 EliA	67	1	66	0.28	0.00	-	1.00
Trinity Biotech	1	0	1	0.36	0.36	-	0.36
Wieslab	1	0	1	2.21	2.21	-	2.21
ZEUS	1	0	1	20.00	20.00	-	20.00
OTHER UNITS	221	1	220	0.95	0.00	-	3.60
Aeskulisa PR3 Sensitive	1	0	1	3.60	3.60	-	3.60
Alpha Dia	4	0	4	0.02	0.00	-	0.10
D-tek	6	0	6	0.00	0.00	-	0.00
Euroimmun	8	0	8	0.24	0.00	-	1.00
Euroimmun PR3-hn-hr	2	0	2	1.65	1.00	-	2.30
Inova QUANTA Flash	16	0	16	2.21	1.50	-	2.50
Luminex Tech. - Bio-Rad Bioplex 2200	34	0	34	0.20	0.20	-	0.20
ORGenTec	1	0	1	0.00	0.00	-	0.00
Orgentec PR3 hs	2	0	2	0.75	0.00	-	1.50
Other ...	4	0	4	39.27	0.00	-	154.00
Phadia 100 EliA (PR3S)	3	0	3	0.30	0.20	-	0.50
Phadia 250 EliA (PR3S)	140	1	139	0.22	0.00	-	1.00

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

ANCA and GBM - Sample 185-2

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IMMUNOASSAY

MPO	Returns	Positive	Negative	Mean	Range		
IU/mL or U/mL	235	0	235	1.12	0.00	-	4.80
A. Menarini - Zenit EIA	1	0	1	1.50	1.50	-	1.50
A. Menarini - Zenit RA	18	0	18	0.12	0.00	-	0.60
AESKU	6	0	6	2.74	1.40	-	4.30
Alpha Dia	1	0	1	0.00	0.00	-	0.00
Diasorin	1	0	1	1.00	1.00	-	1.00
Eurodiagnostica Diastat	1	0	1	0.00	0.00	-	0.00
Eurodiagnostica Weislab	3	0	3	0.94	0.87	-	1.00
Eurodiagnostica Weislab Capture	9	0	9	0.93	0.00	-	1.60
Euroimmun	17	0	17	2.44	0.00	-	6.00
Genesis	1	0	1	0.30	0.30	-	0.30
Hycor Biomedical	1	0	1	1.00	1.00	-	1.00
In House	3	0	3	2.54	1.08	-	4.00
Inova	14	0	14	2.57	0.40	-	5.70
Inova QUANTA Flash	33	0	33	2.34	0.00	-	4.80
Luminex Tech. - Bio-Rad Bioplex 2200	3	0	3	0.00	0.00	-	0.00
Luminex Tech. - THERADIAG (BMD)	3	0	3	0.67	0.00	-	1.00
ORGenTec	19	0	19	1.24	0.00	-	2.40
ORGenTec Alegria	17	0	17	1.46	1.00	-	2.00
Other ...	4	0	4	2.68	0.00	-	4.30
Phadia 100 EliA	2	0	2	0.10	0.00	-	0.20
Phadia 1000/2500 EliA	10	0	10	0.33	0.30	-	0.40
Phadia 250 EliA	66	0	66	0.29	0.00	-	0.50
Trinity Biotech	1	0	1	0.87	0.87	-	0.87
ZEUS	1	0	1	20.00	20.00	-	20.00
OTHER UNITS	217	0	217	1.11	0.00	-	7.00
Alpha Dia	4	0	4	0.02	0.00	-	0.10
D-tek	6	0	6	0.00	0.00	-	0.00
Euroimmun	9	0	9	1.77	0.00	-	7.00
Inova QUANTA Flash	16	0	16	2.88	1.60	-	3.20
Luminex Tech. - Bio-Rad Bioplex 2200	34	0	34	0.20	0.20	-	0.20
ORGenTec	1	0	1	0.00	0.00	-	0.00
Other ...	4	0	4	46.44	0.00	-	183.00
Phadia 100 EliA (MPOS)	2	0	2	0.45	0.40	-	0.50
Phadia 250 EliA (MPOS)	141	0	141	0.25	0.00	-	0.50

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

ANCA and GBM - Sample 185-2

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IMMUNOASSAY

GBM	Returns	Positive	Negative	Mean	Range		
IU/mL or U/mL	284	1	283	1.79	0.00	-	9.00
A. Menarini - Zenit RA	9	0	9	0.00	0.00	-	0.00
AESKU	3	0	3	1.69	0.85	-	3.30
Eurodiagnostica Weislab	10	0	10	1.44	0.00	-	3.11
Euroimmun	5	0	5	1.25	0.00	-	2.00
In House	1	0	1	0.00	0.00	-	0.00
Inova	6	1	5	2.84	0.06	-	5.20
Inova QUANTA Flash	19	0	19	2.49	1.30	-	3.00
Luminex Tech. - Bio-Rad Bioplex 2200	3	0	3	0.00	0.00	-	0.00
Luminex Tech. - THERADIAG (BMD)	3	0	3	0.33	0.00	-	1.00
ORGenTec	11	0	11	5.57	1.80	-	10.00
ORGenTec Alegria	19	0	19	6.59	4.30	-	9.20
Other ...	4	0	4	2.63	0.00	-	4.20
Phadia 100 EliA	6	0	6	1.03	0.00	-	2.00
Phadia 1000/2500 EliA	11	0	11	1.36	0.60	-	2.50
Phadia 250 EliA	172	0	172	1.16	0.20	-	2.10
Wieslab	2	0	2	5.40	5.40	-	5.40
OTHER UNITS	78	0	78	0.78	0.00	-	3.00
Alpha Dia	5	0	5	0.02	0.00	-	0.10
Biodiagnostics Quickcard	4	0	4	0.00	0.00	-	0.00
D-tek	6	0	6	0.00	0.00	-	0.00
Euroimmun	12	0	12	0.79	0.00	-	4.00
Inova QUANTA Flash	14	0	14	2.71	2.00	-	3.00
Luminex Tech. - Bio-Rad Bioplex 2200	30	0	30	0.20	0.20	-	0.20
Not Stated	1	0	1	0.00	0.00	-	0.00
ORGenTec	1	0	1	0.00	0.00	-	0.00
Other ...	3	0	3	41.33	0.00	-	124.00
Wieslab	2	0	2	0.58	0.16	-	1.00

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