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UK NEQAS for Paraneoplastic Antibodies

Distribution : 186	November 2018	Participant : 94317
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125 out of 152 participants returned data for this distribution. 82% response rate.




Nil Responses

10258, 12143, 14228C, 14318, 14398, 14485B, 14513, 14513A, 14545, 14607, 14888, 90856, 92836, 93149, 94107, 94748, NOKLUS, YVSOLAB, ORG_G, ORG_A, ORG, BIOG, INFO, CODEX, TVN, SEQC, VAR

Sample 186-1 was a serum from a patient with negative paraneoplastic antibodies but positive homogenous staining of anti - nuclear antibodies on immunofluorescence.

Sample 186-2 was a serum from a patient with negative paraneoplastic antibodies but positive mitochondrial staining of anti - nuclear antibodies on immunofluorescence.


Sample	Analyte	Designated Response	Your Response	Score
186-1	Paraneoplastic Antibody	Negative	Negative	0
	Antibody Identification	NEG	NEG	0

Sample	Analyte	Designated Response	Your Response	Score	OMIS
186-2	Paraneoplastic Antibody	Negative	Negative	0	0 
	Antibody Identification	NEG	NEG	0	0 
				Total MIS	0 

The current window of analysis comprises the previous six distributions

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Comments

Sample 186-1:

117/125 laboratories reported sample 186-1 as negative for paraneoplastic antibodies. This sample contained homogenous anti-nuclear antibodies and stained neuronal nuclei with a lack of cytoplasmic staining in the Purkinje cells together with all the non-neuronal cerebellar nuclei being positive. This would have provided a clue into which direction any further investigation should take. 108 laboratories performed an immunoblot and found that sample 186-1 was negative for neuronal antibodies.

Conclusion: Sample 186-1 was negative for paraneoplastic neurological antibodies.

Sample 186-2:

116/125 laboratories reported sample 186-2 as negative for paraneoplastic antibodies. This sample should have produced intense staining across the cerebellum and prompted further investigation to check for any masked paraneoplastic reactivities. Sample 186-2 contained mitochondrial (M2 type) antibodies. Immunoblot was performed by 108 participants and all of these laboratories confirmed this sample as negative.

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, 10702, 11185, 14477, 14480) were in agreement in providing the target responses.

Laboratories have been given 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	1-3
 Poor	> 3

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 186-1

Analyte	Positive	Negative	Referred
PARANEOPLASTIC ANTIBODIES	3	117	5
Total Responses			125
Correct Response			94 %

Antibody Identification	Returns	
NEG	116	
ANNA-1 (HU)	2	
PCA-1 (Yo)	1	
GAD - Neurological	1	
Total Responses		120
Correct Response		97 %

Primary Testing		
Analyte	Returns	
Anna-1 (Hu)	8	
GAD - Neurological	1	
Other	4	
Screen Only	2	
NEGATIVE	75	
Total Responses		90

Secondary Testing		
Analyte	Returns	
GAD - Neurological	1	
NEGATIVE	108	
Total Responses		109

Your Results for Sample 186-1

Analyte	Positive	Negative	Referred
PARANEOPLASTIC ANTIBODIES	False	True	False
ANTIBODY IDENTIFICATION	NEG		

Your Primary Results for Sample 186-1

Analyte	Positive	Negative	Method	Substrate	Manufacturer	Dilution
Anna-1 (Hu)	False	False	Indirect Immunofluorescence	Monkey Cerebellum	A. Menarini - Zenit EIA	
Anna-2 (Ri)	False	False	Indirect Immunofluorescence	Monkey Cerebellum	A. Menarini - Zenit EIA	
PCA-1 (Yo)	False	False	Indirect Immunofluorescence	Monkey Cerebellum	A. Menarini - Zenit EIA	
CRMP5 (CV2)	False	False	Indirect Immunofluorescence	Monkey Cerebellum	A. Menarini - Zenit EIA	
AMPHIPHYSIN	False	False	Indirect Immunofluorescence	Monkey Cerebellum	A. Menarini - Zenit EIA	
Ma-2 (Ta)	False	False	Indirect Immunofluorescence	Monkey Cerebellum	A. Menarini - Zenit EIA	
GAD - Neurological	False	False	Indirect Immunofluorescence	Monkey Cerebellum	A. Menarini - Zenit EIA	
Other	False	False				
Screen Only	False	False				

Summary of Results for Sample 186-1 - PRIMARY TESTING

Indirect Immunofluorescence

SUBSTRATE	ANNA-1 (Hu)	ANNA-2 (Ri)	PCA-1 (Yo)	CRMP 5 (CV2)	Amphip hysin	Ma-2 (Ta)	GAD Abs	Other	Negative	Positive Screen Only	Negative Screen Only
Monkey Cerebellum	8	0	0	0	0	0	1	3	64	2	0
Euroimmun	1	0	0	0	0	0	0	1	30	0	0
Trinity Biotech (Immco)	0	0	0	0	0	0	0	0	6	0	0
Instrumentation Lab	0	0	0	0	0	0	0	0	2	0	0
Inova	7	0	0	0	0	0	1	2	26	2	0
Rat Cerebellum	0	0	0	0	0	0	0	0	3	0	0
In House	0	0	0	0	0	0	0	0	2	0	0
Other ...	0	0	0	0	0	0	0	0	1	0	0

Other ...

SUBSTRATE	ANNA-1 (Hu)	ANNA-2 (Ri)	PCA-1 (Yo)	CRMP 5 (CV2)	Amphip hysin	Ma-2 (Ta)	GAD Abs	Other	Negative	Positive Screen Only	Negative Screen Only
Other ...	0	0	0	0	0	0	0	1	4	0	0
Other ...	0	0	0	0	0	0	0	1	4	0	0

Immunohistochemistry

SUBSTRATE	ANNA-1 (Hu)	ANNA-2 (Ri)	PCA-1 (Yo)	CRMP 5 (CV2)	Amphip hysin	Ma-2 (Ta)	GAD Abs	Other	Negative	Positive Screen Only	Negative Screen Only
Rat Cerebellum	0	0	0	0	0	0	0	0	2	0	0
Other ...	0	0	0	0	0	0	0	0	1	0	0
Vector Laboratories	0	0	0	0	0	0	0	0	1	0	0

Your Secondary Results for Sample 186-1

Analyte	Positive	Negative	Method	Substrate	Manufacturer
Anna-1 (Hu)	False	True	Immunoblotting	N/A	RAVO Diagnostika
Anna-2 (Ri)	False	True	Immunoblotting	N/A	RAVO Diagnostika
PCA-1 (Yo)	False	True	Immunoblotting	N/A	RAVO Diagnostika
CRMP5 (CV2)	False	True	Immunoblotting	N/A	RAVO Diagnostika
AMPHIPHYSIN	False	True	Immunoblotting	N/A	RAVO Diagnostika
Ma-2 (Ta)	False	True	Immunoblotting	N/A	RAVO Diagnostika
GAD - Neurological	False	True	Immunoblotting	N/A	RAVO Diagnostika
Other	False	False			

Summary of Results for Sample 186-1 - SECONDARY TESTING

	ANNA-1 (Hu)	ANNA-2 (Ri)	PCA-1 (Yo)	CRMP 5 (CV2)	Amphip hysin	Ma-2 (Ta)	GAD Abs	Other	Negative
Immunoblotting	0	0	0	0	0	0	0	0	109
Manufacturer									
Euroimmun	0	0	0	0	0	0	0	0	68
In House	0	0	0	0	0	0	0	0	1
RAVO Diagnostika	0	0	0	0	0	0	0	0	25
RAVO Diagnostika PNS Blot	0	0	0	0	0	0	0	0	2
RAVO Diagnostika PNS 11 Blot	0	0	0	0	0	0	0	0	3
Euroimmun Euroline 12 Ag	0	0	0	0	0	0	0	0	10
	ANNA-1 (Hu)	ANNA-2 (Ri)	PCA-1 (Yo)	CRMP 5 (CV2)	Amphip hysin	Ma-2 (Ta)	GAD Abs	Other	Negative
Other ...	0	0	0	0	0	0	1	0	1
Manufacturer									
Other ...	0	0	0	0	0	0	1	0	1

Summary Page for Sample 186-2

Analyte	Positive	Negative	Referred
PARANEOPLASTIC ANTIBODIES	1	116	8
Total Responses			125
Correct Response			93 %

Antibody Identification	Returns	
NEG	117	
Total Responses		117
Correct Response		100 %

Primary Testing		Returns
Analyte		
Anna-1 (Hu)		1
AMPHIPHYSIN		1
GAD - Neurological		2
Other		5
Screen Only		2
NEGATIVE		78
Total Responses		89

Secondary Testing		Returns
Analyte		
NEGATIVE		108
Total Responses		108

Your Results for Sample 186-2

Analyte	Positive	Negative	Referred
PARANEOPLASTIC ANTIBODIES	False	True	False
ANTIBODY IDENTIFICATION	NEG		

Your Primary Results for Sample 186-2

Analyte	Positive	Negative	Method	Substrate	Manufacturer	Dilution
Anna-1 (Hu)	False	False	Indirect Immunofluorescence	Monkey Cerebellum	A. Menarini - Zenit EIA	
Anna-2 (Ri)	False	False	Indirect Immunofluorescence	Monkey Cerebellum	A. Menarini - Zenit EIA	
PCA-1 (Yo)	False	False	Indirect Immunofluorescence	Monkey Cerebellum	A. Menarini - Zenit EIA	
CRMP5 (CV2)	False	False	Indirect Immunofluorescence	Monkey Cerebellum	A. Menarini - Zenit EIA	
AMPHIPHYSIN	False	False	Indirect Immunofluorescence	Monkey Cerebellum	A. Menarini - Zenit EIA	
Ma-2 (Ta)	False	False	Indirect Immunofluorescence	Monkey Cerebellum	A. Menarini - Zenit EIA	
GAD - Neurological	False	False	Indirect Immunofluorescence	Monkey Cerebellum	A. Menarini - Zenit EIA	
Other	False	False				
Screen Only	False	False				

Summary of Results for Sample 186-2 - PRIMARY TESTING

Indirect Immunofluorescence

	ANNA-1 (Hu)	ANNA-2 (Ri)	PCA-1 (Yo)	CRMP 5 (CV2)	Amphip hysin	Ma-2 (Ta)	GAD Abs	Other	Negative	Positive Screen Only	Negative Screen Only
Monkey Cerebellum	1	0	0	0	1	0	2	4	66	2	0
Euroimmun	0	0	0	0	0	0	1	1	30	0	0
Trinity Biotech (Immco)	0	0	0	0	0	0	0	0	6	0	0
Instrumentation Lab	0	0	0	0	0	0	0	0	2	0	0
Inova	1	0	0	0	1	0	1	3	28	2	0
Rat Cerebellum	0	0	0	0	0	0	0	0	3	0	0
In House	0	0	0	0	0	0	0	0	2	0	0
Other ...	0	0	0	0	0	0	0	0	1	0	0

Other ...

	ANNA-1 (Hu)	ANNA-2 (Ri)	PCA-1 (Yo)	CRMP 5 (CV2)	Amphip hysin	Ma-2 (Ta)	GAD Abs	Other	Negative	Positive Screen Only	Negative Screen Only
Other ...	0	0	0	0	0	0	0	0	5	0	0
Other ...	0	0	0	0	0	0	0	0	5	0	0

Immunohistochemistry

	ANNA-1 (Hu)	ANNA-2 (Ri)	PCA-1 (Yo)	CRMP 5 (CV2)	Amphip hysin	Ma-2 (Ta)	GAD Abs	Other	Negative	Positive Screen Only	Negative Screen Only
Rat Cerebellum	0	0	0	0	0	0	0	0	2	0	0
Other ...	0	0	0	0	0	0	0	0	1	0	0
Vector Laboratories	0	0	0	0	0	0	0	0	1	0	0

Your Secondary Results for Sample 186-2

Analyte	Positive	Negative	Method	Substrate	Manufacturer
Anna-1 (Hu)	False	True	Immunoblotting	N/A	RAVO Diagnostika
Anna-2 (Ri)	False	True	Immunoblotting	N/A	RAVO Diagnostika
PCA-1 (Yo)	False	True	Immunoblotting	N/A	RAVO Diagnostika
CRMP5 (CV2)	False	True	Immunoblotting	N/A	RAVO Diagnostika
AMPHIPHYSIN	False	True	Immunoblotting	N/A	RAVO Diagnostika
Ma-2 (Ta)	False	True	Immunoblotting	N/A	RAVO Diagnostika
GAD - Neurological	False	True	Immunoblotting	N/A	RAVO Diagnostika
Other	False	False			

Summary of Results for Sample 186-2 - SECONDARY TESTING

	ANNA-1 (Hu)	ANNA-2 (Ri)	PCA-1 (Yo)	CRMP 5 (CV2)	Amphip hysin	Ma-2 (Ta)	GAD Abs	Other	Negative
Immunoblotting	0	0	0	0	0	0	0	0	109
Manufacturer									
Euroimmun	0	0	0	0	0	0	0	0	67
In House	0	0	0	0	0	0	0	0	1
RAVO Diagnostika	0	0	0	0	0	0	0	0	26
RAVO Diagnostika PNS Blot	0	0	0	0	0	0	0	0	2
RAVO Diagnostika PNS 11 Blot	0	0	0	0	0	0	0	0	3
Euroimmun Euroline 12 Ag	0	0	0	0	0	0	0	0	10
	ANNA-1 (Hu)	ANNA-2 (Ri)	PCA-1 (Yo)	CRMP 5 (CV2)	Amphip hysin	Ma-2 (Ta)	GAD Abs	Other	Negative
Other ...	0	0	0	0	0	0	0	0	2
Manufacturer									
Other ...	0	0	0	0	0	0	0	0	2