

Email: [ukneqas@immqas.org.uk](mailto:ukneqas@immqas.org.uk)

Web Address: <http://www.immqas.org.uk>

## UK NEQAS for Ganglioside Antibodies

Distribution : 182

March 2018

Participant : 94317

84 out of 105 participants returned data for this distribution. 80% response rate.

### Nil Responses

10712, 10732, 12221, 12257, 14292, 14513, 14513A, 14513B, 14545, 90467, 90856, 92464, 94475, ORG\_G, ORG\_A, ORG, BIOG, INFO, CODEX, SEQC, VAR

**Sample 182-1** was a plasmaphoresis sample from a patient with a neurological condition.

**Sample 182-2** was a plasmaphoresis sample from a patient with a neurological condition.

Analyte		Sample 182-1			Sample 182-2			OMIS
		Designated Response	Your Response	Score	Designated Response	Your Response	Score	
GM1	IgG	Negative	Negative	0	Negative	Negative	0	0
	IgM	Positive	Positive	0	Positive	Positive	0	0
	IgG/IgM Screen	Positive	No Response	0	Positive	No Response	0	0
GM2	IgG	Negative	Negative	0	Negative	Negative	0	0
	IgM	Negative	Negative	0	Negative	Negative	0	0
	IgG/IgM Screen	Negative	No Response	0	Negative	No Response	0	0
GD1a	IgG	Negative	Negative	0	Negative	Negative	0	0
	IgM	Negative	Negative	0	Negative	Negative	0	0
	IgG/IgM Screen	Negative	No Response	0	Negative	No Response	0	0
GD1b	IgG	Negative	Negative	0	Negative	Negative	0	0
	IgM	Positive	Positive	0	Positive	Positive	0	0
	IgG/IgM Screen	Positive	No Response	0	Positive	No Response	0	0
GQ1b	IgG	Negative	Negative	0	Negative	Negative	0	0
	IgM	Negative	Negative	0	Negative	Negative	0	0
	IgG/IgM Screen	Negative	No Response	0	Negative	No Response	0	0

The current window of analysis comprises the previous six distributions

**Total MIS** 0

### Comments

Samples 182-1 and 182-2 were identical samples from the same donor. Laboratories should analyse their results to ensure that within assay imprecision is acceptable.

Director Prof W Egner / Mrs D Patel, Operations Manager Mr D Gill / Dr H Wilkinson

Telephone 0114 271 5715, Fax 0114 226 6754

Sheffield Teaching Hospitals




NHS Foundation Trust

The 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, 14446, 14530, 94089) were in agreement in providing the target Responses.

The qualitative elements are assessed by misclassification over a 12 sample window.

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 182-1

<b>IgG</b>	<b>Returns</b>	<b>Positive</b>	<b>Negative</b>
GM1	76	8	68
GM2	69	0	69
GD1a	70	0	70
GD1b	72	0	72
GQ1b	76	0	76

<b>IgM</b>	<b>Returns</b>	<b>Positive</b>	<b>Negative</b>
GM1	78	76	2
GM2	69	0	69
GD1a	70	1	69
GD1b	73	61	12
GQ1b	72	0	72

<b>IgG/IgM Screen</b>	<b>Returns</b>	<b>Positive</b>	<b>Negative</b>
GM1	20	19	1
GM2	17	0	17
GD1a	18	0	18
GD1b	18	13	5
GQ1b	20	0	20

## Your Results for Sample 182-1

IgG	IgM	IgG/IgM Screen
GM1: Negative	GM1: Positive	GM1: No Response
GM1 Method: Immunoblotting	GM1 Method: Immunoblotting	GM1 Method: Immunoblotting
GM1 Manufacturer: Zentech Dotzen	GM1 Manufacturer: Zentech Dotzen	GM1 Manufacturer: Zentech Dotzen
GM2: Negative	GM2: Negative	GM2: No Response
GM2 Method: Immunoblotting	GM2 Method: Immunoblotting	GM2 Method: Immunoblotting
GM2 Manufacturer: Zentech Dotzen	GM2 Manufacturer: Zentech Dotzen	GM2 Manufacturer: Zentech Dotzen
GD1a: Negative	GD1a: Negative	GD1a: No Response
GD1a Method: Immunoblotting	GD1a Method: Immunoblotting	GD1a Method: Immunoblotting
GD1a Manufacturer: Zentech Dotzen	GD1a Manufacturer: Zentech Dotzen	GD1a Manufacturer: Zentech Dotzen
GD1b: Negative	GD1b: Positive	GD1b: No Response
GD1b Method: Immunoblotting	GD1b Method: Immunoblotting	GD1b Method: Immunoblotting
GD1b Manufacturer: Zentech Dotzen	GD1b Manufacturer: Zentech Dotzen	GD1b Manufacturer: Zentech Dotzen
GQ1b: Negative	GQ1b: Negative	GQ1b: No Response
GQ1b Method: Immunoblotting	GQ1b Method: Immunoblotting	GQ1b Method: Immunoblotting
GQ1b Manufacturer: Zentech Dotzen	GQ1b Manufacturer: Zentech Dotzen	GQ1b Manufacturer: Zentech Dotzen

IgG	GM1		GM2		GD1a		GD1b		GQ1b	
	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG
<b>Immunoblotting</b>	<b>5</b>	<b>51</b>	<b>0</b>	<b>57</b>	<b>0</b>	<b>57</b>	<b>0</b>	<b>57</b>	<b>0</b>	<b>57</b>
In House	0	1	0	1	0	1	0	1	0	1
GA Generic Assays	5	24	0	30	0	30	0	30	0	30
Euroimmun Euroline	0	22	0	22	0	22	0	22	0	22
Zentech Dotzen	0	4	0	4	0	4	0	4	0	4
<b>Enzyme Immunoassay/ELISA</b>	<b>3</b>	<b>17</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>13</b>	<b>0</b>	<b>15</b>	<b>0</b>	<b>19</b>
In House	1	8	0	6	0	7	0	6	0	9
Buhlmann Gangliocombi	1	8	0	4	0	4	0	7	0	8
Buhlmann Gangliocombi MAG	1	1	0	2	0	2	0	2	0	2

IgM	GM1		GM2		GD1a		GD1b		GQ1b	
	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG
<b>Immunoblotting</b>	<b>56</b>	<b>2</b>	<b>0</b>	<b>57</b>	<b>1</b>	<b>56</b>	<b>46</b>	<b>12</b>	<b>0</b>	<b>56</b>
In House	1	0	0	1	0	1	1	0	0	1
GA Generic Assays	31	0	0	30	0	30	25	6	0	30
Euroimmun Euroline	20	2	0	22	1	21	19	3	0	21
Zentech Dotzen	4	0	0	4	0	4	1	3	0	4
<b>Enzyme Immunoassay/ELISA</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>13</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>16</b>
In House	9	0	0	6	0	7	6	0	0	7
Buhlmann Gangliocombi	9	0	0	4	0	4	7	0	0	7
Buhlmann Gangliocombi MAG	2	0	0	2	0	2	2	0	0	2

IgG/IgM Screen	GM1		GM2		GD1a		GD1b		GQ1b	
	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG
<b>Immunoblotting</b>	<b>11</b>	<b>1</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>12</b>	<b>7</b>	<b>5</b>	<b>0</b>	<b>12</b>
GA Generic Assays	10	1	0	11	0	11	7	4	0	11
Zentech Dotzen	1	0	0	1	0	1	0	1	0	1
<b>Enzyme Immunoassay/ELISA</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>6</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>7</b>
In House	3	0	0	1	0	2	1	0	0	3
Buhlmann Gangliocombi	4	0	0	3	0	3	3	0	0	3
Buhlmann Gangliocombi MAG	1	0	0	1	0	1	1	0	0	1

## Summary Page for Sample 182-2

<b>IgG</b>	<b>Returns</b>	<b>Positive</b>	<b>Negative</b>
GM1	77	9	68
GM2	70	0	70
GD1a	71	0	71
GD1b	73	1	72
GQ1b	77	0	77

<b>IgM</b>	<b>Returns</b>	<b>Positive</b>	<b>Negative</b>
GM1	79	76	3
GM2	70	1	69
GD1a	71	0	71
GD1b	74	63	11
GQ1b	74	0	74

<b>IgG/IgM Screen</b>	<b>Returns</b>	<b>Positive</b>	<b>Negative</b>
GM1	20	19	1
GM2	17	1	16
GD1a	18	0	18
GD1b	18	11	7
GQ1b	20	0	20

## Your Results for Sample 182-2

IgG	IgM	IgG/IgM Screen
GM1: Negative	GM1: Positive	GM1: No Response
GM1 Method: Immunoblotting	GM1 Method: Immunoblotting	GM1 Method: Immunoblotting
GM1 Manufacturer: Zentech Dotzen	GM1 Manufacturer: Zentech Dotzen	GM1 Manufacturer: Zentech Dotzen
GM2: Negative	GM2: Negative	GM2: No Response
GM2 Method: Immunoblotting	GM2 Method: Immunoblotting	GM2 Method: Immunoblotting
GM2 Manufacturer: Zentech Dotzen	GM2 Manufacturer: Zentech Dotzen	GM2 Manufacturer: Zentech Dotzen
GD1a: Negative	GD1a: Negative	GD1a: No Response
GD1a Method: Immunoblotting	GD1a Method: Immunoblotting	GD1a Method: Immunoblotting
GD1a Manufacturer: Zentech Dotzen	GD1a Manufacturer: Zentech Dotzen	GD1a Manufacturer: Zentech Dotzen
GD1b: Negative	GD1b: Positive	GD1b: No Response
GD1b Method: Immunoblotting	GD1b Method: Immunoblotting	GD1b Method: Immunoblotting
GD1b Manufacturer: Zentech Dotzen	GD1b Manufacturer: Zentech Dotzen	GD1b Manufacturer: Zentech Dotzen
GQ1b: Negative	GQ1b: Negative	GQ1b: No Response
GQ1b Method: Immunoblotting	GQ1b Method: Immunoblotting	GQ1b Method: Immunoblotting
GQ1b Manufacturer: Zentech Dotzen	GQ1b Manufacturer: Zentech Dotzen	GQ1b Manufacturer: Zentech Dotzen

## IgG

	GM1		GM2		GD1a		GD1b		GQ1b	
	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG
<b>Immunoblotting</b>	<b>6</b>	<b>51</b>	<b>0</b>	<b>58</b>	<b>0</b>	<b>58</b>	<b>0</b>	<b>58</b>	<b>0</b>	<b>58</b>
In House	0	1	0	1	0	1	0	1	0	1
GA Generic Assays	6	24	0	31	0	31	0	31	0	31
Euroimmun Euroline	0	22	0	22	0	22	0	22	0	22
Zentech Dotzen	0	4	0	4	0	4	0	4	0	4
<b>Enzyme Immunoassay/ELISA</b>	<b>3</b>	<b>17</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>13</b>	<b>1</b>	<b>14</b>	<b>0</b>	<b>19</b>
In House	1	8	0	6	0	7	0	6	0	9
Buhlmann Gangliocombi	1	8	0	4	0	4	1	6	0	8
Buhlmann Gangliocombi MAG	1	1	0	2	0	2	0	2	0	2

## IgM

	GM1		GM2		GD1a		GD1b		GQ1b	
	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG
<b>Immunoblotting</b>	<b>57</b>	<b>2</b>	<b>0</b>	<b>58</b>	<b>0</b>	<b>58</b>	<b>48</b>	<b>11</b>	<b>0</b>	<b>58</b>
In House	1	0	0	1	0	1	1	0	0	1
GA Generic Assays	32	0	0	31	0	31	26	6	0	31
Euroimmun Euroline	20	2	0	22	0	22	20	2	0	22
Zentech Dotzen	4	0	0	4	0	4	1	3	0	4
<b>Enzyme Immunoassay/ELISA</b>	<b>19</b>	<b>1</b>	<b>1</b>	<b>11</b>	<b>0</b>	<b>13</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>16</b>
In House	9	0	0	6	0	7	6	0	0	7
Buhlmann Gangliocombi	8	1	1	3	0	4	7	0	0	7
Buhlmann Gangliocombi MAG	2	0	0	2	0	2	2	0	0	2

## IgG/IgM Screen

	GM1		GM2		GD1a		GD1b		GQ1b	
	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG
<b>Immunoblotting</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>12</b>	<b>6</b>	<b>6</b>	<b>0</b>	<b>12</b>
GA Generic Assays	11	0	0	11	0	11	6	5	0	11
Zentech Dotzen	1	0	0	1	0	1	0	1	0	1
<b>Enzyme Immunoassay/ELISA</b>	<b>7</b>	<b>1</b>	<b>1</b>	<b>4</b>	<b>0</b>	<b>6</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>7</b>
In House	3	0	0	1	0	2	1	0	0	3
Buhlmann Gangliocombi	3	1	1	2	0	3	2	1	0	3
Buhlmann Gangliocombi MAG	1	0	0	1	0	1	1	0	0	1