

MEMORANDUM

TO: Regional Medical Laboratory Clients
FROM: Gerald Miller, PhD, Chief of Immunology/Microbiology
Nikki Garner, MS HCA, Manager Processing/Specimen Resolution/Reference Lab
Shelli Lamb, MLT, Reference Lab Specialist
DATE: September 15, 2015
SUBJECT: **New Testing Offered for Neuronal Nuclear and Ganglioside Antibodies**

Effective September 21, 2015, RML will be moving the testing for neuronal nuclear and ganglioside antibodies from Quest to ARUP. With this move, RML will condense testing to better align with tests offered by other reference laboratories.

New test panels include:

- Neuronal Antibody Panel: Test will include antibodies for Hu, Yo and Ri.
 - **NEURONAL AB (5581127)** – Collect SST. No other specimen types are acceptable. Avoid hemolyzed or lipemic specimens. Spin and separate serum within two (2) hours of collection.
 - **Specimen volume: 1 mL (0.15 mL min) refrigerated serum. Stability: Ambient, 24 hours; Refrigerated, 2 weeks; Frozen, 1 year.**
 - Reference Range: Not Detected. Result will list which antibodies are detected.
- Ganglioside Panel 1: Test will include IgG and IgM antibodies for GM1, GD1b and GQ1b.
 - **GANGLI PN1 (5565953)** - Collect SST. No other specimen types are acceptable. Avoid hemolyzed, icteric or lipemic specimens.
 - **Specimen volume: 0.3 mL (0.1 mL min) Refrigerated serum. Stability: Ambient, 24 hours; Refrigerated, 2 weeks; Frozen, 1 year.**
 - Reference Range: 29 IV or less, Negative; 30-50 IV, Equivocal; 51-100 IV, Positive; 101 IV or greater, Strong Positive. (IV = Index Value)
- Ganglioside Panel 2: Test will include IgG/IgM Total antibodies for Asialo-GM1, GM1, GM2, GD1a, GD1b and GQ1b.
 - **GANGLI PN2 (5565951)** - Collect SST. No other specimen types are acceptable. Avoid hemolyzed, icteric or lipemic specimens.
 - **Specimen volume: 0.3 mL (0.1 mL min) Refrigerated serum. Stability: Ambient, Unacceptable; Refrigerated, 2 weeks; Frozen, 1 year.**
 - Reference Range: 29 IV or less, Negative; 30-50 IV, Equivocal; 51-100 IV, Positive; 101 IV or greater, Strong Positive.

Individual antibody testing will be offered for:

- GM1 antibodies IgG and IgM
 - **GM1 GANGLI (5565950)** - Collect SST. No other specimen types are acceptable. Avoid hemolyzed, icteric or severely lipemic specimens. Spin and separate serum within two (2) hours of collection.

- **Specimen volume: 0.3 mL (0.1 mL min) refrigerated serum. Stability: Ambient, Unacceptable; Refrigerated, 2 weeks; Frozen, 1 year.**
- Reference Range: 29 IV or less, Negative; 30-50 IV, Equivocal; 51-100 IV, Positive; 101 IV or greater, Strong Positive.
- Myelin Associated Glycoprotein (MAG) Antibody, IgM
 - **MAG IGM (5523200)** - Collect SST. No other specimen types are acceptable. Avoid hemolyzed or severely lipemic specimens. Spin and separate serum within two (2) hours of collection.
 - **Specimen volume: 1 mL (0.1 mL min) refrigerated serum. Stability: Ambient, 48 hours; Refrigerated, 2 weeks; Frozen, 1 year.**
 - Reference Range: Less than 1000 TU (Titer Unit).
- Sulfate-3-Glucuronyl Paragloboside (SGPG) Antibody, IgM
 - **SGPG AB (3660850)** - Collect SST. No other specimen types are acceptable. Avoid hemolyzed, icteric or severely lipemic specimens. Spin and separate serum within two (2) hours of collection.
 - **Specimen volume: 1 mL (0.1 mL min) refrigerated serum. Stability: Ambient, 48 hours; Refrigerated, 2 weeks; Frozen, 1 year.**
 - Reference Range: Less than 1.00 IV

Please note the following new RML Procedure Numbers and test names are:

NEW Procedure Mnemonic	NEW Long Name	NEW Procedure Number	NEW CPT4 Code/s	LOINC Codes
NEURONAL AB	Neuronal Nuclear Abs (Hu, Yo, and Ri)	5581127	83516	35278-1
GM1 GANGLI	Ganglioside (GM1) IgG and IgM Abs	5565950	83516x2	IgG: 51729-2 IgM: 51703-7
MAG IGM	Myelin Associated Glycoprotein IgM Ab	5523200	83516	17314-6
SGPG AB	Sulfate-3-Glucuronyl Paragloboside (SGPG) IgM Antibody	3660850	83516	31666-1
GANGLI PN1	Ganglioside Panel 1 (includes: IgG and IgM antibodies for GM1, GD1b and GQ1b)	5565953	83516x6	GM1 IgG: 51729-2 GM1 IgM: 51703-7 GD1b IgG: 56541-6 GD1b IgM: 58977-0 GQ1b IgG: 57660-3 GQ1b IgM: 56545-7
GANGLI PN2	Ganglioside Panel 2 (includes: IgG/IgM Total antibodies for Asialo-GM1, GM1, GM2, GD1a, GD1b and GQ1b)	5565951	83516x6	Asialo-GM1 IgG/IgM: 44737-5 GM1 IgG/IgM: 63244-8 GM2 IgG/IgM: 63249-7 GD1a IgG/IgM: 48656-3 GD1b IgG/IgM: 26870-6 GQ1b IgG/IgM: 31674-5

The following tests will be discontinued as of August 31, 2015:

Previous Procedure Mnemonic	Previous Long Name	Previous Procedure Number	Previous CPT4 Code/s	LOINC Codes
HU ANTIBDY	Hu Neuronal Nuclear Ab with reflex to Titer	5582775	Screen: 86255 Blot: 84181 Titer: 86256	Screen: 49738-8 Blot: 35278-1 Titer: 15398-1
RI ANTIBDY	Ri Neuronal Nuclear Ab with reflex to Titer	5586475	Screen: 86255 Blot: 84181 Titer: 86256	Screen: 43187-4 Blot: 33008-4 Titer: 13998-0
YO ANTIBDY	Yo (Purkinje Cell) Ab with reflex to Titer	5563125	Screen: 86255 Titer: 86256	Screen: 14249-7 Titer: 6970-8
PARANEO AB	Paraneoplastic Syndrome Evaluation	5583580	Screen: 86255x3 Blot: 84181 Titer: 86256	Please see individual tests
GD1b ABS	GD1b IgG Antibody	5585925	83520	13662-2
GD1B ANTIB	GD1b IgM Antibody	5585930	83520	13661-4
GQ1b ABS	GQ1b Antibodies	5585950	83520	14254-7
ASALO IGG	Asialo GM1 IgG	5523250	83520	13663-0
ASALO IGM	Asialo GM1 IgM	5523300	83520	10359-8
GD1a ABS	GD1a IgG Antibody	5585900	83520	21283-7
GD1a IGM	GD1a IgM Antibody	5583475	83520	21282-9
MOTR/SENS1	Motor/Sensory Neuropathy 1	5563725	83520x8, 86255	Please see individual tests
MOTR/SENS2	Motor/Sensory Neuropathy 2	5563735	83520x8, 86255x3	Please see individual tests
MOTRNEUR 1	Motor Neuropathy Basic Panel	5583575	83520x8	Please see individual tests
MOTRNEUR 2	Motor Neuropathy Basic plus GD1a	5583675	83520x10	Please see individual tests
MOTRNEUR 3	Motor Neuropathy Basic plus GQ1b	5583725	83520x9	Please see individual tests
MOTRNEUR 4	Motor Neuropathy plus GD1a/GQ1b	5583765	83520x11	Please see individual tests
SENS NEUR1	Sensory Neuropathy Panel 1	5562825	83520x2, Screen: 86255 Blot: 84181 Titer: 86256	Please see individual tests
SENS NEUR2	Sensory Neuropathy Panel 2	5563825	83520x2, Screen: 86255x3 Blot: 84181 Titer: 86256	Please see individual tests

If you have questions or concerns, please feel free to contact Gerald Miller, PhD, Nikki Garner, or Shelli Lamb at 918-744-2500.