April 2019

ALLINA HEALTH LABORATORY

LabConnect

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REFERRAL TESTING

14-3-3 Protein, spinal fluid non-orderable

Mayo Clinic Laboratories (MCL) has announced that due to assay performance issues, the 14-3-3 Protein, spinal fluid assay has been made obsolete.

The suggested alternative test is the Creutzfelt-Jakob Disease assay (994/LAB994) referred to National Prion Disease Path Surv Center via LabCorp Burlington. Test ordering and specimen information are as detailed below.

Test Name:	Creutzfelt-Jakob Disease
Test Number:	994
Collect:	5 mL Cerebrospinal fluid (CSF)
Minimum Volume:	0.2 mL
Container:	Sterile vial
Transport/Stability:	Frozen *(Strict)*
Alternate Names:	Prion Disease MSO LAB994
Performing Lab:	National Prion Disease Path Surv Center via LabCorp Burlington (081695); R-NX
Expected TAT:	2 - 4 weeks
Ref. Ranges:	See report
Collection/ Processing Details:	Freeze specimen in a sterile container within 20 minutes of collection.
Method:	Enzyme-linked Immunosorbent Assay (ELISA) Western blot Real-time quaking-induced conversion
CPT Codes:	86317 84282 *If reflex testing is indicated, additional charges/CPT code(s) may apply*

Arginine vasopressin assay discontinued at Mayo Clinic Laboratories

Mayo Clinic Laboratories (MCL) has announced that due to a reagent discontinuation, the Arginine vasopressin assay (2982/84588.0) was discontinued on April 18, 2019.

The suggested alternative test is the Copeptin proAVP, also referred to MCL. Test ordering and specimen collection/processing information details are as follows.

Test Name:	Copeptin proAVP
Test Number:	994
Collect:	0.5 mL (minimum 0.3 mL) EDTA plasma - lavender
Container:	Plastic screw-top aliquot tube
Processing:	Spin and separate
Transport/Stability:	Refrigerated (preferred) - 7 days Frozen - 30 days
Alternate Names:	Arginine vasopressin MSO LAB994
Performing Lab:	Mayo Clinic Laboratories (CPAVP); R-MM
Days Set Up:	Mo - Sa
Expected TAT:	2 days
Ref. Ranges:	Non-water deprived, non-fasting adults: <13.1 pmol/L Water deprived, fasting adults: <15.2 pmol/L Non-water deprived, non-fasting pediatric patients: <14.5 pmol/L
Collection/ Processing Details:	*Use for the investigation of the differential diagnosis of patients with water balance disorders, including Diabetes Insipidus (DI) in conjunction with osmolality and hydration status.* *May aid in the evaluation of cardiovascular disease in conjunction with other cardiac markers.* **Patient Preparation:** For water-deprived testing have the patient fast and thirst for at least 8 hours (no liquids, including water, are allowed).
Method:	Immunofluorescent Assay (IFA)
CPT Codes:	84588

Ganglioside Ab panel referred to IMMCO Diagnostics

As a part of the Allina Health Laboratory referral laboratory transition, effective April 18, 2019, the Ganglioside Ab panel will be referred to IMMCO Diagnostics Inc. via LabCorp. Test ordering and specimen collection/processing details are as follows.

Test Name:	Neuropathy profile V
Test Number:	994
Collect:	3 mL serum - SST
Minimum Volume:	1 mL
Alternate Collect:	3 mL serum - red
Container:	SST Serum/plasma transport tube
Processing:	SST - Spin Red - Spin and separate
Transport/Stability:	Ambient (preferred) - 3 days Refrigerated - 5 days Frozen - 1 year
Performing Lab:	IMMCO Diagnostic Inc. (IMMNY 470) via LabCorp (808656); R-NX
Days Set Up:	1x/week
Expected TAT:	7 - 9 days

Ref. Ranges:	Negative: <1:100
Collection/ Processing Details:	*Useful for: Antibodies against glycolipids (GM1, GD1a, GD1b, GQ1b, Asialo GM1 and sulphatides) are present Guillain-Barré syndrome (GBS), IgM paraproteinemic neuropathy, and chronic demyelinating polyneuropathy. Antibodies to one or more glycolipids are present in 60-70% of patients with GBS. The titers of antiglycolipid antibodies are higher in acute phase and decrease with clinical improvement. Antibodies to GM1 and/or GD1b are frequently found in acute phase GBS. The two antibodies together occur in 20% of these cases, anti-GM1 without anti-GD1b antibodies in about 10% and anti-GD1b without anit-GM1 antibodies in about 10% of GBS patients.Antibodies to GQ1b or IgG isotype are present in 95% of patients with Miller Fisher Syndrome (MFS). The titers of these antibodies fluctuate with disease activity. IgM paraproteinemia is often associated with peripheral neuropathies. These antibodies are present in one half of patients with specificity for SGPG, GD1b and other gangliosides. Anti-GM1 IgM are usually associated with motor dominant or sensorimotor neuropathies. These antibodies are also elevated in multifocal neuropathies such as GBS, CIPD and other immunological diseases* Test includes: GM1 antibody IgG & IgM, GD1b antibody IgG & IgM, Asialo GM1 antibody IgG & IgM
Method:	Enzyme-linked Immunosorbent Assay (ELISA)
CPT Codes:	83520 x 6

PTH related peptide assay changes

Mayo Clinic Laboratories (MCL) has announced a change to the reference value, specimen stability and days performed for the PTH related peptide (7987/LAB7987, MCL #PTHRP) assay.

The changes, which went into effect on April 1, 2019, are as detailed below.

Current Reference Value
<2.0 pmol/L

New Reference Value
< or =4.2 pmol/L

Current Specimen Stability		
Specimen	**Temperature**	**Time**
Plasma EDTA	Frozen	90 days

New Specimen Stability		
Specimen	**Temperature**	**Time**
Plasma EDTA	Frozen	30 days

Current Days Performed
Monday, Wednesday, Thursday; 2 p.m.

New Days Performed
Monday through Thursday; 2 p.m.

Testing transitioned from Mayo Clinic Laboratories (MCL) to MedTox Laboratories

As a part of the Allina Health Laboratory referral laboratory transition from Mayo Clinic Laboratories (MCL) to LabCorp, effective April 23, 2019 several assays currently referred to MCL will be transitioned to MedTox Laboratories.

Amiodarone (Cordarone)

The Amiodarone (Cordarone) assay (229A/LAB229A), referred to Mayo Clinic Laboratories (MCL) will become obsolete, replaced by the Amiodarone assay (13311/ALB13311) referred to MedTox Laboratories.

Test Name:	Amiodarone
Test Number:	13311
Collect:	2.0 mL serum - red
Minimum Volume:	0.5 mL serum - red
Alternate Collect:	2.0 mL heparin plasma - dk green
Container:	MedTox Serum/plasma transfer vial
Processing:	Spin and separate
Transport/Stability:	Refrigerated (preferred) Frozen Ambient: <3 days
Alternate Names:	AMI Cordarone LAB13311
Performing Lab:	MedTox Laboratories (10); R-MX
Days Set Up:	Tu, Th, Sa
Expected TAT:	3 days
Ref. Ranges:	Amiodarone: 1000 - 2500 ng/mL
Collection/ Processing Details:	*Useful for therapeutic drug management* *Gel-barrier tubes are NOT recommended.* *Trough levels are most reproducible*
Method:	Liquid chromatography/tandem mass spectrometry (LC/MS-MS)
CPT Codes:	80299

Clozapine

The Clozapine assay (2093/LAB2093), referred to Mayo Clinic Laboratories (MCL), will become obsolete, replaced by the Clozapine assay (13310/LAB13310), referred to MedTox Laboratories.

Test Name:	Clozapine
Test Number:	13310
Collect:	1.0 mL serum - red
Minimum Volume:	0.2 mL serum - red
Alternate Collect:	1.0 mL heparin plasma - dk green
Container:	MedTox Serum/plasma transfer vial
Processing:	Spin and separate
Transport/ Stability:	Refrigerated (preferred) Frozen Ambient: <3 days
Alternate Names:	Clozaril CLZ Neurontin LAB13310
Performing Lab:	MedTox Laboratories (54); R-MX
Days Set Up:	Tu - Su
Expected TAT:	3 days
Ref. Ranges:	Clozapine: 350 - 600 ng/mL Clozapine & Norclozapine (combined total): >450 ng/mL
Collection/ Processing Details:	*Useful for therapeutic drug management* *Gel-barrier tubes are NOT recommended.* *Trough levels are most reproducible*
Method:	Liquid chromatography/tandem mass spectrometry (LC/MS-MS)
CPT Codes:	80159

Copper, 24 hr urine

The Copper, 24 hr urine assay (78/82525.1), referred to Mayo Clinic Laboratories (MCL) will become obsolete. There are two suggested alternative tests; the Copper, random urine (13301/LAB13301), and the Copper, 24 hour urine (13304/LAB13304), both referred to MedTox Laboratories.

Test Name:	Copper, random urine
Test Number:	13301
Collect:	10 mL random urine
Minimum Volume:	0.5 mL random urine
Container:	Metal free urine container
Transport/Stability:	Refrigerated (preferred)
Alternate Names:	CUU LAB13301
Performing Lab:	MedTox Laboratories (61624); R-MX
Days Set Up:	Daily
Expected TAT:	4 days
Ref. Ranges:	12.0 - 80.0 ng/mL
Collection/ Processing Details:	*Useful for the evaluation of exposure to copper and evaluation of copper stores and accumulation*
Method:	Inductively coupled plasma/mass spectrometry (ICP/MS)
CPT Codes:	82525

Test Name:	Copper, 24 hour urine
Test Number:	13304
Collect:	Urine, 24 hr, in a acid washed, metal-free container
Minimum Volume:	0.5 mL aliquot of a 24 hr urine collection
Container:	Acid washed urine cup
Processing:	Mix 24 hour collection well and pour off a 10mL (minimum 0.5mL) aliquot into an acid washed urine cup
Transport/Stability:	Refrigerated (preferred)
Alternate Names:	CU24 LAB13304
Performing Lab:	MedTox Scientific (60624); R-MX
Days Set Up:	Daily
Expected TAT:	4 days
Ref. Ranges:	12.0 - 80.0 ng/mL 3.0 - 35.0 µg/24hr
Collection/ Processing Details:	*Useful for: Evaluation of exposure to copper; evaluate copper stores accumulation.*
Method:	Inductively coupled plasma/mass spectrometry (ICP/MS)
CPT Codes:	82525
Supply Connection:	Acid washed 24 hr container and aliquot cup

Acid washed container for this assay are available in our supply catalog.

24 hr urine collection container, acid washed and acid washed aliquot cup

24 hour acid washed urine collection container
(MTX #T33) with small acid washed (metal) free aliquot cup (MTX #T39).

Containers have been acid washed, but do not contain preservative

Copper, serum

The Copper, serum assay (79/82525.3), referred to Mayo Clinic Laboratories (MCL), will become obsolete, replaced by the Copper, blood assay(13302/LAB13302), referred to MedTox Laboratories.

Test Name:	Copper, blood
Test Number:	13302
Collect:	2.0 mL metal-free EDTA plasma - navy
Container:	Metal free transport tube
Processing:	Spin and separate
Transport/Stability:	Refrigerated (preferred)
Alternate Names:	CUS, LAB13302
Performing Lab:	MedTox Laboratories (60626); R-MX
Expected TAT:	2 days
Ref. Ranges:	0.80 - 1.75 µg/mL
Collection/ Processing Details:	*Useful for the evaluation of exposure to copper; evaluation of copper stores and accumulation*
Method:	Inductively coupled plasma/mass spectrometry (ICP/MS)
CPT Codes:	82525

Gabapentin

The Gabapentin assay (2417/82491.03), referred to Mayo Clinic Laboratories (MCL), will become obsolete, replaced by the Gabapentin assay, 13300/LAB13300, referred to MedTox Laboratories.

Test Name:	Gabapentin
Test Number:	13300
Collect:	2.0mL serum - red *No gel-barrier tubes*
Minimum Volume:	0.5mL serum - red *No gel-barrier tubes*
Alternate Collect:	2.0mL Heparin plasma - green *No gel-barrier tubes*
Container:	Plastic aliquot vial
Processing:	Spin and separate
Transport/Stability:	Refrigerated (preferred)
Alternate Names:	Neurontin, GAB, LAB13300
Performing Lab:	MedTox Laboratories (160); R-MX
Days Set Up:	Daily
Expected TAT:	2 days
Ref. Ranges:	4.0 - 16.0 µg/mL
Collection/ Processing Details:	*Useful for therapeutic drug management* *Trough levels are most reproducible*
Method:	Immunoassay (IA)
CPT Codes:	80171

Heavy metals, 24 hr urine

The Heavy metals, 24 hr urine (128/LAB128) referred to Mayo Clinic Laboratories (MCL), will become obsolete, replaced by the Metal panel (As, Cd, Hg, Pb), 24 hr urine assay (13308/ LAB13308) referred to MedTox Laboratories.

Test Name:	Metal panel (As, Cd, Hg, Pb), 24 hr urine
Test Number:	13308
Collect:	24 hour urine in a plastic, metal free collection container
Container:	Metal free plastic transport tube
Processing:	Transfer a 10mL aliquot to a metal free plastic transport tube
Transport/Stability:	Refrigerated (preferred)
Alternate Names:	HMU, LAB13308
Performing Lab:	MedTox Laboratories (1625); R-MX
Days Set Up:	Every 3 days
Expected TAT:	3 days
Ref. Ranges:	See report
Collection/ Processing Details:	*Useful for the evaluation of exposure to heavy metals* Submit a 10mL aliquot (minimum 1mL) of a 24 hour urine collection in a plastic, metal free container (metal free plastic transport tube)
Method:	Inductively coupled plasma/mass spectrometry (ICP/MS)
CPT Codes:	82175, 82300, 83655, 83825

Heavy metals, blood

The Heavy metals, blood assay (146/LAB146) referred to Mayo Clinic Laboratories (MCL), will become obsolete, replaced by the Metal panel (As, Cd, Hg, Pb), blood assay (13309/LAB13309) referred to MedTox Laboratories.

Test Name:	Metal panel (As, Cd, Hg, Pb), blood
Test Number:	13309
Collect:	2.0 mL metal free EDTA whole blood - navy
Minimum Volume:	0.5 mL metal free EDTA whole blood - navy
Container:	Navy blue metal free EDTA tube
Processing:	Do not spin, refrigerate
Transport/Stability:	Refrigerated (preferred)
Alternate Names:	HMB LAB13309
Performing Lab:	MedTox Laboratories (60680); R-MX
Days Set Up:	Every 3 days
Expected TAT:	3 days
Ref. Ranges:	See report
Collection/ Processing Details:	*Useful for the evaluation of exposure to heavy metals*
Method:	Inductively coupled plasma/mass spectrometry (ICP/MS)
CPT Codes:	82175, 82300, 83655, 83825

Iodine, random urine

The Iodine, random urine assay (12465/LAB12465), referred to Mayo Clinic Laboratories (MCL), will become obsolete, replaced by the Iodine, random urine assay, 13307/LAB13307, referred to MedTox Laboratories.

Test Name:	Iodine, random urine
Test Number:	13307
Collect:	10 mL random urine
Minimum Volume:	0.5 mL random urine
Container:	Plastic, metal-free urine container
Transport/Stability:	Refrigerated (preferred)
Alternate Names:	IUR LAB13307
Performing Lab:	MedTox Laboratories (62405); R-MX
Days Set Up:	Every 3 days
Expected TAT:	3 days
Ref. Ranges:	Urine concentrations in healthy normal volunteers: up to 1400 ng/mL
Collection/ Processing Details:	*Useful for the evaluation of iodine stores*
Method:	Inductively coupled plasma/mass spectrometry (ICP/MS); Spectrophotometry (SPEC)
CPT Codes:	83789

Lead, venous blood

The Lead, venous blood assay (12345LAB12345), referred to Mayo Clinic Laboratories (MCL), will become obsolete, replaced by the Lead, blood assay, 13306/LAB13306, referred to MedTox Laboratories.

Test Name:	Lead, blood
Test Number:	13306
Collect:	1.0 mL metal free EDTA whole blood - navy EDTA
Container:	Navy blue metal free EDTA tube
Processing:	Do not spin; submit entire specimen
Transport/Stability:	Refrigerated (preferred)
Alternate Names:	PBDV LAB13306
Performing Lab:	MedTox Laboratories (60600); R-MX
Days Set Up:	Daily
Expected TAT:	3 days
Ref. Ranges:	CDC guideline: <5 µg/dL BEI: 30 µg/dL
Collection/Processing Details:	*Useful for the evaluation of exposure to lead*
Method:	Inductively coupled plasma/mass spectrometry (ICP/MS)
CPT Codes:	83655

Mercury, blood

The Mercury, blood assay (176/83825.3) referred to Mayo Clinic Laboratories (MCL), will become obsolete, replaced by the Mercury, blood assay (13312/LAB13312) referred to MedTox Laboratories.

Test Name:	Mercury, blood
Test Number:	13312
Collect:	2.0 mL metal free EDTA whole blood - navy
Container:	Navy blue EDTA tube
Processing:	Do not spin; Refrigerate
Transport/Stability:	Refrigerated (preferred)
Alternate Names:	MER LAB313312
Performing Lab:	MedTox Laboratories (60608); R-MX
Days Set Up:	Every 3 days
Expected TAT:	3 days
Ref. Ranges:	<8 ng/mL BEI 15 ng/mL
Method:	Inductively coupled plasma/mass spectrometry (ICP/MS)
CPT Codes:	83825

Zinc

The Zinc assay (278/84630.0) referred to Mayo Clinic Laboratories (MCL), will become obsolete, replaced by the Zinc, blood assay (13305/LAB13305) referred to MedTox Laboratories.

Test Name:	Zinc, plasma or serum
Test Number:	13305
Collect:	2.0 mL EDTA plasma - navy EDTA (metal free vial, protect from light)
Container:	Navy blue EDTA tube
Transport/Stability:	Refrigerated (preferred)
Alternate Names:	ZNB LAB13305
Performing Lab:	MedTox Laboratories (60606); R-MX
Days Set Up:	Daily
Expected TAT:	3 days
Ref. Ranges:	70 - 120 µg/dL
Collection/ Processing Details:	*Useful for the evaluate zinc stores*
Method:	Inductively coupled plasma/mass spectrometry (ICP/MS)
CPT Codes:	84630

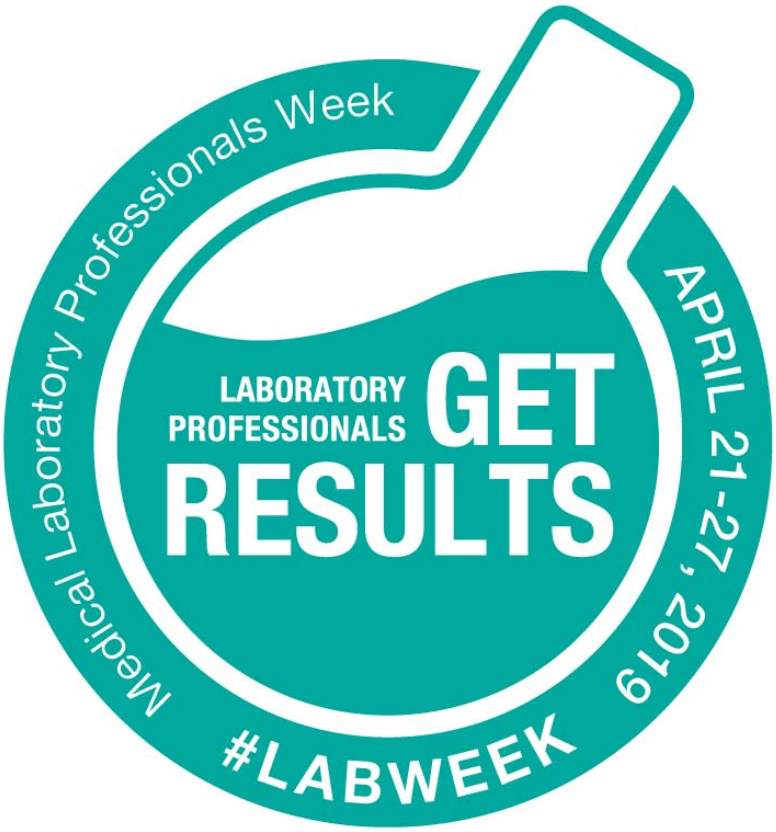
Zinc protoporphyrin

The Zinc protoporphyrin assay (553/84202.0), referred to Mayo Clinic Laboratories (MCL), will become obsolete, replaced by the Zinc protoporphyrin assay (13303/LAB13303) referred to MedTox Laboratories.

Test Name:	Zinc protoporphyrin (ZPP)
Test Number:	13303
Collect:	1.0 mL metal free EDTA whole blood - navy (protect from light)
Container:	Navy blue metal free EDTA tube
Processing:	Do not spin, and protect from light.
Transport/Stability:	Refrigerated (preferred) - 5 days
Alternate Names:	ZPP LAB13303
Performing Lab:	MedTox Laboratories (60620); R-MX
Days Set Up:	Daily
Expected TAT:	3 days
Ref. Ranges:	<35 µg/dL *Critical value: >50 µg/dL*
Collection/ Processing Details:	*Useful for the evaluation of exposure to lead*
Method:	Fluorometry
CPT Codes:	84202

Happy Medical Laboratory Professionals Week to all of our laboratory peers!

April 21-27, 2019



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