

MGHS Test Change Implementation Notice

Effective immediately or as otherwise noted

Test Changes

CHRONIC URTICARIA

Marquette General Health System

General Info

Alpha Code	FCER
MGH LIS Test No	3664
Schedule	Mon, Wed, Fri
Testing Time	7-10 Days
Testing Lab	Warde Medical Laboratories
QORR Test Code	FCER

Specimen Info

Type	1 SST Tube
Volume	2.0 mL serum (1.0 mL minimum)
Temperature	Ambient

Methods

Cell Culture, EIA

Clinical Utilities

CPT Codes

86343, 83088, 86021

Reference Range

<10

*Test name was changed to Chronic Urticaria from Functional Anti-FCER. Please note new specimen requirements, method, cpt, reference range, & testing time.

CULTURE, STOOL (SALM, SHIG, CAMPY, E.COLI O157:H7, YERSINIA SCREEN, & SHIGA TOXIN 1 &2)

Marquette General Health System

General Info

Alpha Code	MICRO. RQN.
MGH LIS Test No	514
Schedule	Daily
Testing Time	3 days
Testing Lab	Marquette General Hospital
QORR Test Code	STL

Specimen Info

Type	10ml liquid; formed walnut size
Temperature	Ambient
Collection Info	<p>Inpatient: Place specimen in sterile screw capped container. Reference lab: Place specimen in Cary Blair transport container. NOTE: If diagnosis is Vibrio or unusual organisms, this must be noted on request form. Note: complete appropriate form: Inpatient: Microbiology request form. Reference: Reference lab request form</p>

Methods

Conventional culture and EIA for Shiga Toxin 1&2

Clinical Utilities

Useful for detecting Shiga Toxins from EHEC 0157:H7 and other serotypes.

CPT Codes

87045, 87046x2, 87015, 87427x2

Reference Range

Negative for Salmonella, Shigella, Campylobacter, Hemorrhagic E.coli 0157, Yersinia screen. Negative for Shiga toxin 1 and Shigatoxin 2.

*Upon recommendation from the CDC, we have added screening for Shigatoxin 1&2 to our Routine Stool Culture. Please note changes to CPT's, test name, method and reference range. Reference lab clients please call for pricing as it has changed also.

INTERFERON-BETA AUTOANTIBODIES

Marquette General Health System

General Info

Alpha Code	IFNB
MGH LIS Test No	396
Schedule	Monday
Testing Time	2-9 Days
Testing Lab	Specialty Labs, Inc.
QORR Test Code	IFNB

Specimen Info

Type	Serum
Volume	1.0 (0.5) mL
Temperature	Frozen

Methods

MAID

CPT Codes

83520

Reference Range

<4.0 UnitsIgG Not Detected
>=4.0 Units.....IgG Detected

Some multiple sclerosis patients receiving recombinant interferon-beta develop IFNB-specific antibodies that may block the therapeutic effect of the treatment. This assay screens for IgG antibodies capable of binding to IFNB; all samples with detectable IFNB binding antibodies are then tested for INFB neutralizing antibodies using a bioassay. Approximately two weeks are required to perform the neutralization bioassay; those results will be reported separately when available.

*Neutralizing AB is done at additional charge.

Component Information

Name	INTERFERON BETA IGG AUTOANTIBODIES
Method	MAID
CPT Code	83520
Units	U/mL
Ref Range	<4.0 UnitsIgG Not Detected >=4.0 Units.....IgG Detected

* New Reference Range and Method.

TRANSFERRIN RECEPTOR, SOLUBLE

Marquette General Health System

General Info

Alpha Code	TFR
MGH LIS Test No	907

Schedule	Tuesday
Testing Time	1-7 days
Testing Lab	Specialty Labs, Inc.
QORR Test Code	TFR

Component Information

Name	SOLUBLE TRANSFERRIN RECEPTOR
Method	EIA
*CPT Code	84238
Units	MG/L
Ref Range	0.76-1.76 MG/L
Reflex Reason	

*New CPT code.

ALA DEHYDRATASE RBC Marquette General Health System

General Info

Alpha Code	ALDE
MGH LIS Test No	5981
Schedule	Monday - Friday
Testing Time	3 Days
Testing Lab	Mayo Labs
QORR Test Code	ALDE

Specimen Info

Collection Info

All porphyrin tests on erythrocytes can be performed on 1 draw tube.

Submit only 1 of the following specimens:

Washed Erythrocytes

- Have patient fast for 12 to 14 hours. Water may be taken as needed. No other liquids are allowed.
- Patient should abstain from alcohol for 24 hours.
Note: Provide a list of medications the patient is currently taking and forward with the specimen.
- Draw a full, green-top (heparin) tube, and process entire heparinized whole blood specimen as follows:
 - Place on wet ice immediately.
 - Transfer to a 12-mL graduated centrifuge tube.
 - Centrifuge for 10 minutes at 2,000 rpm.
 - Record volume of packed cells and the total volume of the specimen. This information must be sent with the specimen.
 - Discard supernatant plasma.
 - Wash erythrocytes 2 times by resuspension with 5 mL of cold 0.9% saline, discarding supernatant after each washing.
 - Resuspend packed cells to the original total volume of 5 mL with 0.9% saline. Invert gently to mix.
- Send washed erythrocyte suspension frozen in plastic vial.
Note: Volume of packed cells and total volume of erythrocyte suspension (red cells + saline) are required on request form for processing.

Whole Blood to be Washed at Mayo Medical Laboratories

Specimen must arrive within 48 hours of draw.

If specimen cannot arrive within 48 hours, please send washed erythrocytes; and include the cell suspension information.

- Have patient fast for 12 to 14 hours. Water may be taken as needed. No other liquids are allowed.
- Patient should abstain from alcohol for 24 hours.
Note: Provide a list of medications the patient is currently taking and forward with the specimen.
- Draw a full, green-top (heparin) tube, and send entire heparinized whole blood specimen refrigerated. Specimen cannot be frozen.
- Test will be canceled if frozen whole blood is received.

Methods
Enzymatic Endpoint/Spectrofluorometric

CPT Codes
82657

Reference Range
> or =4.0 nmol/L/sec
3.5-3.9 nmol/L/sec (indeterminate)
<3.5 nmol/L/sec (diminished)

*This test was previously available as part of the ALA Dehydratase and PBG Deaminase, RBC panel sent to Mayo (MGHS code ALAD). Since that panel is now obsolete. The components are available separately. Reference Clients please call for pricing.

PORPHOBILINOGEN (PBG) DEAMINASE, ERYTHROCYTES
Marquette General Health System

General Info

Alpha Code	PBDE
MGH LIS Test No	595
Schedule	M-F
Testing Time	3 Days
Testing Lab	Mayo Labs
QORR Test Code	PBDE

Specimen Info

Collection Info

All porphyrin tests on erythrocytes can be performed on 1 draw tube.

Submit only 1 of the following specimens:

Washed Erythrocytes

1. Have patient fast for 12 to 14 hours. Water may be taken as needed.
No other liquids are allowed.
2. Patient should abstain from alcohol for 24 hours.
Note: Provide a list of medications the patient is currently taking and forward with the specimen.
3. Draw a full, green-top (heparin) tube, and process entire heparinized whole blood specimen as follows:
 - A. Place on wet ice immediately.
 - B. Transfer to a 12-mL graduated centrifuge tube.
 - C. Centrifuge for 10 minutes at 2,000 rpm.
 - D. Record volume of packed cells and the total volume of the specimen. This information must be sent with the specimen.
 - E. Discard supernatant plasma.
 - F. Wash erythrocytes 2 times by resuspension with 5 mL of cold 0.9% saline, discarding supernatant after each washing.
 - G. Resuspend packed cells to the original total volume of 5 mL with 0.9% saline. Invert gently to mix.
4. Send washed erythrocyte suspension frozen in plastic vial.
Note: Volume of packed cells and total volume of erythrocyte suspension (red cells + saline) are required on request form for processing.

Whole Blood to be Washed at Mayo Medical Laboratories

Specimen must arrive within 48 hours of draw.

If specimen cannot arrive within 48 hours, please send washed erythrocytes; and include the cell suspension information.

1. Have patient fast for 12 to 14 hours. Water may be taken as needed.
No other liquids are allowed.
2. Patient should abstain from alcohol for 24 hours.
Note: Provide a list of medications the patient is currently taking and forward with the specimen.
3. Draw a full, green-top (heparin) tube, and send entire heparinized whole blood specimen refrigerated. Specimen cannot be frozen.
4. Test will be cancelled if frozen whole blood is received.

Methods
Enzymatic End point/Spectrofluorometric

CPT Codes
82657

Reference Range
> or =7.0 nmol/L/sec
6.0-6.9 nmol/L/sec (indeterminate)
<6.0 nmol/L/sec (diminished)

**This test was previously available as part of the ALA Dehydratase and PBG Deaminase, RBC panel sent to Mayo (MGHS code ALAD). Since that panel is now obsolete. The components are available separately. Reference Clients please call for pricing.

HISTOPLASMA ANTIGEN, URINE
Marquette General Health System

General Info

Alpha Code	HISAG
MGH LIS Test No	7484
Schedule	M-F
Testing Time	2 to 4 Days
Testing Lab	Specialty Labs, Inc.
QORR Test Code	HISAG

Specimen Info

Type	Urine
Volume	10 mL
Temperature	Refrigerate
Preservative	
Collection Info	

Specimen Acceptability
Ambient-72 Hours, Refrigerated-14 Days, Frozen- 2 Months.

Methods
EIA

Reference Range
<2.0 Negative
2.0-4.0.... Weak Positive
>4.0 Positive

Component Information

Name	HISTOPLASMA ANTIGEN, URINE
Method	EIA
CPT Code	87385
Units	EIA Units

* Changes to order code and reference range.

METHADONE CONFIRMATION, URINE
Marquette General Health System

General Info

Alpha Code	METHC
MGH LIS Test No	4964
Schedule	Monday - Friday
Testing Time	2 Days
Testing Lab	Mayo Labs
QORR Test Code	METHC

Specimen Info

Type	Urine random
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Temperature	Refrigerate
Preservative	
Collection Info	10 mL from a random urine collection. No preservative. Send specimen refrigerated in a 13-mL urine tube. For situations where chain-of-custody is required, a chain-of-custody kit (Supply T282) is available.

Methods

Immunoassay/Gas Chromatography-Mass Spectrometry (GC-MS) Confirmation with Quantification

CPT Codes

83840

Reference Range

Positive

Typical Positive: 1,000-50,000 ng/mL

Cutoff concentrations:

IMMUNOASSAY SCREEN:

<300 ng/mL

METHADONE, BY GC-MS

<100 ng/mL

Component Information

Name	IMMUNOASSAY SCREEN
Component Code	IMSCN
Ref Range	Reported as Positive or Negative

Name	METHADONE BY GC/MS
Component Code	MGCMS
Ref Range	Cutoff = 100 ng/mL

Name	EDDP BY GC/MS
Component Code	EDDP
Ref Range	Cutoff = 100 ng/mL

Name	INTERPRETATION
Component Code	MINTR
Ref Range	Positive or Negative

* New Order code (METHC), components of result changed. Reference lab clients please call for pricing as price has changed also.