

MGHS Test Change Implementation Notice

Effective immediately or as otherwise noted
 Changes listed in Bold Type

EPSTEIN-BARR VIRUS (EBV) SEROLOGY

Profile Code: EBVA
 Schedule: Monday-Friday
 Testing Time: 1-3 Days
Methodology: EIA; **Chemiluminescent Immunoassay**
 Test Number: 370

Reference Range:

Component Name	Component Code
EBV-EA IgG <20 Units	EAG
EBV-EBNA IgG (U/mL) <18.0 Negative 18.0 - 21.9 Equivocal >21.9 Positive	EBNAG
EBV-VCA IgG (U/mL) <18.0 Negative 18.0 - 21.9 Equivocal >21.9 Positive	VCAIG
EBV-VCA IgM (U/mL) <36.0 Negative 36.0 - 43.9 Equivocal >43.9 Positive	VCAIM

Serologic Profiles for Epstein-Barr virus Infection

EA IgG	EBNA IgG	VCA IgG	VCA IgM	Interpretation
Neg	Neg	Neg	Neg	Neg-Suscep
Pos	Neg	Pos	Pos	Acute Primary
Pos	Neg/Low Pos	Pos	Neg/Low Pos	Recent Primary
Neg/Low Pos	Pos	Pos	Neg	Past (Remote)
Pos/Neg	Pos	Pos	Neg	Reactivated

Most Adults have IgG antibody to EBNA and VCA due to past exposure. Antibodies to EA do not occur in approximately 10 to 20% of adults and children with acute IM. Antibodies may be absent in some persons with latent infections. Immunosuppressed, transplant and immunodeficient patients often have high levels of antibody to VCA IgG and EA suggesting reactivation of latent virus. The EBNA IgG antibody level generally does not rise during a reactivated infection.

THYROGLOBULIN, TUMOR MARKER, SERUM

Profile Code: THYR
 Schedule: Monday through Saturday
 Testing Time: 3 Days
 Methodology: Immunoenzymatic Assay
 Test Number: 4934

Reference Range:

Component Description	Component Code
Thyroglobulin Antibody Screen, Serum <= 10.0 IU/mL	TGABS

This FDA-approved assay has been modified and validated by Laboratory Medicine and Pathology, Mayo Clinic, Rochester, MN in order to enhance sensitivity. This modification has not been cleared or approved by the U.S. Food and Drug Administration.

Thyroglobulin Tumor Marker, Serum <= 33 ng/mL Athyrotic individuals normally have hTg values less than 5 ng/mL. Specimens with thyroglobulin concentrations greater than 250,000 ng/mL may give falsely lower results.	THGTM
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N-TELOPEPTIDES, URINE

Profile Code: NTXU
Schedule: Tuesday, Friday
Testing Time: 1 day
Methodology: Enzyme-Linked Immunoabsorbent Assay (ELISA)
Test Number: 735

Reference Range:

Component Description/Units	Component Code
NTX-Telopeptide, Urine Units = NMOL NTX/MMOL Creatinine	NTX-T

Reference Range:

Age	Males	Females
0 years - 5 years	576-1763	576-1763
6 years - 13 years	307-1367	307-1367
14 years - 17 years	102-1048	55-378
>= 18 years	21- 66	19- 63

FACTOR 9 ASSAY

Test code: FAC9
Schedule: Daily
Testing Time: 1 day
Methodology: Photo optical clot detection
Test Number: 322

Reference Range: Pre-term..... 19 - 65 %
1 Day - 1 Month..... 15 - 91 %
6 Months - 6 Years..... 36 - 136 %
6 Years - 127 Years..... 60 - 150 %

PROTEIN C ACTIVITY

Test code: PROTC
Schedule: Monday, Wednesday, Friday
Testing Time: 1 day
Methodology: Chromogenic Substrate Assay
Test Number: 8614

Reference Range: Pre-Term.....12 - 44 %
1 Day - 5 Days.....17 - 53%
5 Days - 3 Months.....20 - 65%
3 Months - 6 Months.....28 - 80%
6 Months - 6 Years.....37 - 81%
6 Years - 10 Years.....45 - 93%
10 Years - 127 Years.....75 - 176%

Interpretive Text:

Assay is a chromogenic test measuring functional Protein C. An acquired deficiency may be due to recent thrombosis, surgery, DIC, Vitamin K deficiency, and L-asparaginase or oral anticoagulant therapy (OAT). Patients should be off OAT for at least 10 days prior to testing. If result is low, Protein C Antigen is recommended to determine if deficiency is Type I (quantitative) or Type II (qualitative).

FACTOR 8 ASSAY

Test code: FAC8
Schedule: Daily
Testing Time: 1 day
Methodology: Photo optical clot detection
Test Number: 315

Reference Range: Pre-Term - 6 Years.....50 - 150%
6 Years - 127 Years.....60 - 150%

PROTEIN S ACTIVITY

Test code: PROTS
Schedule: Varies
Testing Time: 1 day
Methodology: Photo optical clotting
Test Number: 8604

Reference Range: Pre-Term - 5 Days.....12 - 60%
5 Days - 1 Month.....22 - 78%

PROTEIN S ACTIVITY (continued)

1 Month - 3 Months.....33 - 93%
3 Months - 6 Years.....54 - 119%
6 Years - 10 Years.....41 - 114%
10 Years - 127 Years.....60 - 200%

Interpretive Text: Assay is a clotting test measuring Protein S Activity. Levels may be decreased in pregnancy, vitamin K deficiency, recent surgery, and coumadin (OAT) or L-asparaginase or estrogen therapy. Lupus Anticoagulants may give prolonged results. If result is low, it is recommended that free and total Protein S levels be performed to determine the type of Protein S deficiency.

RISTOCETIN COFACTOR

Test code: VW
Schedule: Daily
Testing Time: 1 day
Methodology: Platelet aggregation measured turbidimetricly to aid in the diagnosis of Von willebrand disease.
Test Number: 329
Reference Range: 50 - 200%
Pre-Term.....78 - 210%