

The tests listed in this table will be DELETED from our catalog. Replacement or alternate tests are noted if applicable.

OD145"	E.C. (1	Date to LT.	Danie
SBMF#	Effective	Deleted Test	Replacement / Alternate Test
47036	05.20.2019	5-Fluorouracil (5-FU) Toxicity	Dihydropyrimidine
		and Chemotherapeutic	Dehydrogenase (DPYD), 3
		Response, 5 Mutations	Variants (47353)
33256	Immediate	Allergen, Food of Plant Origin, Okra IgE	N/A – Discontinued by vendor.
33221	Immediate	Allergen, Tree Pollen, Groundsel Tree IgE	N/A – Discontinued by vendor.
43757	Immediate	BasoFunction HRT loxitalamate	N/A – Discontinued by vendor.
43598	06.24.2019	Cardio IQ Omega-3 and -6 Fatty Acids, Serum or Plasma	OmegaCheck®, Whole Blood (43793)
21265	06.03.2019	Clostridium difficile Antigen (GDH)	Clostridium difficile Toxin Gene by
		and Toxins A and B by EIA with	NAAT with Reflex to Toxins A and B
		Reflex to C. difficile Toxin Gene by NAA	by EIA (36267)
36265	06.03.2019	Clostridium difficile Toxin Gene by	Clostridium difficile Toxin Gene by
		NAA	NAAT (36266), OR
			Clostridium difficile Toxin Gene by
			NAAT with Reflex to Toxins A and B by EIA (36267)
35013	Immediate	Custom GTT3	N/A – Discontinued due to lack of use.
47394	05.20.2019	Cytochrome P450 2C19	Cytochrome P450 2C19 Genotyping
47004	03.20.2013	(CYP2C19) Genotype	(47717)
47395	05.20.2019	Cytochrome P450 2C9 (CYP2C9)	Cytochrome P450 2C8/2C9
		Genotype	Genotyping (47718)
45288	05.20.2019	Cytochrome P450 2D6 (CYP2D6)	Cytochrome P450 2D6 Genotyping
		Genotype	(47719)
47396	05.20.2019	Cytochrome P450 3A5 (CYP3A5)	Cytochrome P450 3A4/3A5
		Genotype	Genotyping (47720)
47434	05.20.2019	Cytochrome P450 Genotype Panel	Cytochrome P450 Genotyping Panel (47721)
45927	05.20.2019	Fat, Body Fluid	Triglycerides, Body Fluid (29244),
.002.	00.20.20.0		OR Chylomicron Screen, Body Fluid
			(45496)
29012	Immediate	Glucose Tolerance 2 Hour	Glucose Tolerance Test (GTT), Two-
		(Serum/Urine)	hour, Modified (ADA), Non-
00050	1	Observe Telement Ott M/I	Gestational (29056)
29059	Immediate	Glucose Tolerance 2 Hr W/Insulin	Glucose Tolerance Test (GTT), Two- Hour with Insulin Levels (29073)
00047	Immediate	Glucose Tolerance 7 Hour	N/A – Discontinued due to lack of
29017			



The tests listed in this table will be DELETED from our catalog. Replacement or alternate tests are noted if applicable.

SBMF#	Effective	Deleted Test	Replacement / Alternate Test
29018	Immediate	Glucose Tolerance 8 Hour (10 Serum/Urine)	N/A – Discontinued due to lack of use.
35509	06.03.2019	HBsAg, HCV Ab, and STS Reflexive Profile	HBsAg, HCV Ab, and RPR Profile with Reflex (35855)
45729	05.20.2019	Hearing Loss, Nonsyndromic, Mitochondrial DNA 2 Mutations	Hearing Loss, Nonsyndromic Panel (GJB2) Sequencing, (GJB6) 2 Deletions and Mitochondrial DNA 2 Mutations (45730)
35233	06.03.2019	HIV and STS Profile	HIV Ag/Ab and RPR Profile with Reflex (35856)
44574	05.20.2019	HIV-1 DNA/RNA by Qualitative PCR	HIV-1 RNA by Qualitative TMA, Whole Blood (47722)
36024	06.03.2019	HIV-1 RNA, Quantitative RT-PCR, CSF	HIV-1 RNA by Quantitative NAAT, CSF (47716)
45486	05.20.2019	IA-2 Antibody	Islet Antigen-2 (IA-2) Autoantibody, Serum (47723)
45702	05.20.2019	MuSK Antibody Test	Muscle-Specific Kinase (MuSK) Antibody, IgG (47724)
47405	Immediate	Non-Criteria Antiphospholipid Syndrome (APS) (aPa, aPc, aPe, aPg, aPi) Antibodies Extended Panel	Phosphatidylcholine Antibodies, IgG, IgM and IgA (45369), <i>AND</i> Phosphatidylethanolamine Antibodies, IgG, IgM and IgA (45394), <i>AND</i> Phosphatidylglycerol Antibodies, IgG, IgM and IgA (45395), <i>AND</i> Phosphatidylinositol Antibodies, IgG, IgM and IgA (45396)
35849	06.03.2019	Obstetric Panel (Includes HIV Ag/Ab) with Syphilis Screen by Immunoassay with Reflex to RPR and TP-PA	Obstetric Panel (Includes HIV Ag/Ab) with Reflex (35852)
35850	06.03.2019	Obstetric Panel (Includes HIV Ag/Ab) with Syphilis Screen by RPR with Reflex to TP-PA	Obstetric Panel (Includes HIV Ag/Ab) with Reflex (35852)
35839	06.03.2019	Obstetric Panel with Syphilis Screen by Immunoassay with Reflex to RPR and TP-PA	Obstetric Panel with Reflex (35851)
35842	06.03.2019	Obstetric Panel with Syphilis Screen by RPR with Reflex to TP- PA	Obstetric Panel with Reflex (35851)
47194	Immediate	Phosphatidic Acid Antibodies, IgG, IgM, and IgA	N/A – Discontinued by vendor.
28058	06.03.2019	Rapid Plasma Reagin (RPR) with Reflex to Titer	Rapid Plasma Reagin (RPR) with Reflex to RPR Titer, Serum (Response to Therapy) (28446)



The tests listed in this table will be DELETED from our catalog. Replacement or alternate tests are noted if applicable.

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SBMF#	Effective	Deleted Test	Replacement / Alternate Test
28068	06.03.2019	Rapid Plasma Reagin (RPR) with Reflex to Titer and TP-PA	Rapid Plasma Reagin (RPR) with Reflex to Syphilis Total Antibody and RPR Titer, Serum (28445)
43192	Immediate	Resin T3 Uptake Ratio	T3 Uptake (44636)
47617	05.20.2019	Thiopurine Methyltransferase (TPMT) Genotyping, 4 Variants	Thiopurine Methyltransferase (TPMT) and Nudix Hydrolase (NUDT15) Genotyping (47728)
42096	05.20.2019	Thiopurine Methyltransferase (TPMT) and Nudix Hydrolase (NUDT15) Genotyping	Thiopurine Methyltransferase (TPMT) and Nudix Hydrolase (NUDT15) Genotyping (47728)
47588	05.20.2019	Total Inhibin, Serum	N/A
28059	06.03.2019	Treponema pallidum Antibody, IgG by MFI with Reflex to RPR and TP-PA, Serum	Syphilis Total Antibody with Reflex to RPR and TP-PA, Serum (28439)
45840	06.03.2019	Tryptase, Mature and Total	Tryptase, Mature and Total (43784)
45715	Immediate	Very Long-Chain Acyl-CoA Dehydrogenase Deficiency (ACADVL) Sequencing	N/A – Discontinued due to lack of use.
45717	Immediate	Very Long-Chain Acyl-CoA Dehydrogenase Deficiency (ACADVL) Sequencing and Deletion/Duplication	N/A – Discontinued due to lack of use.
47407	05.20.2019	Warfarin Sensitivity, CYP2C9 and VKORC1, 3 Variants	Warfarin Sensitivity (CYP2C8, CYP2C9, CYP4F2, VKORC1) Genotyping (47729)

NEW TEST

43789 ADMA/SDMA

Available Now

NEW TEST

33345 Allergen, Drug, Gelatin (Porcine) IgE

Available Now

NEW TEST

33347 Allergen, Food of Animal Origin, Mahi Mahi IgE

Available Now

NEW TEST

33329 Allergen, Food of Animal Origin, Venison IgE Available Now

NEW TEST

33324 Allergen, Food of Animal Origin, Yogurt IgE Available Now

NEW TEST

33327 Allergen, Food of Plant Origin, Guava IgE Available Now

NEW TEST

33343 Allergen, Food of Plant Origin, Zucchini IgE Available Now

NEW TEST

33352 Allergen, Mold/Microorganism, Acremonium kiliense IgG Available Now

NEW TEST

33344 Allergen, Mold/Microorganism, Aspergillus flavus IgE Available Now

NEW TEST

33341 Allergen, Mold/Microorganism, Gliocladium fimbriatum IgE Available Now

NEW TEST

33323 Allergen, Tree Pollen, Black Willow IgE Available Now

NEW TEST

33322 Allergen, Tree Pollen, Cedar Elm IgE Available Now

NEW TEST

33339 Allergen, Tree Pollen, Chinese Elm IgE



NEW TEST

33346 Allergen, Tree Pollen, Shagbark Hickory IgE

Available Now

NEW TEST

33348 Allergen, Tree Pollen, Sugar Maple IgE

Available Now

NEW TEST

33330 Allergen, Tree Pollen, White Hickory IgE

Available Now

NEW TEST

33350 Allergen, Tree Pollen, White Poplar IgE

Available Now

NEW TEST

33342 Allergen, Weed Pollen, Pyrethrum IgE

Available Now

NEW TEST

33351 Allergen, Weed Pollen, Wingscale IgE

Available Now

NEW TEST

43785 Apixaban, Plasma

Available Now

NEW TEST

35551 Autoimmune Encephalitis Extended Panel

Available Now

This is a Care Set comprised of the following:

- 47696 AMPA Receptor Antibody, IgG by IFA with Reflex to Titer, Serum
- 47426 Aquaporin-4 Receptor Antibody by ELISA, with Reflex to AQP4 Receptor Antibody, IgG by IFA, Serum
- 47377 Contactin-Associated Protein-2 Antibody, IgG with Reflex to Titer
- 47702 GABA-B Receptor Antibody, IgG by IFA with Reflex to Titer, Serum
- 28276 Glutamic Acid Decarboxylase Antibody
- 47381 Leucine-Rich, Glioma-Inactivated Protein 1 Antibody, IgG with Reflex to Titer
- 47706 Myelin Oligodendrocyte Glycoprotein (MOG) Antibody, IgG by IFA with Reflex to Titer, Serum
- 45838 N-methyl-D-Aspartate Receptor Antibody, IgG Screen, Serum with Reflex to Titer by IFA
- 45846 Voltage-Gated Potassium Channel (VGKC) Antibody, Serum

NEW TEST

35527 Autoimmune Encephalitis Reflexive Panel

Available Now

This is a Care Set comprised of the following:

- 47426 Aquaporin-4 Receptor Antibody by ELISA, with Reflex to AQP4 Receptor Antibody, IgG by IFA, Serum
- 28276 Glutamic Acid Decarboxylase Antibody
- 45838 N-methyl-D-Aspartate Receptor Antibody, IgG Screen, Serum with Reflex to Titer by IFA
- 47376 Voltage-Gated Potassium Channel (VGKC) Antibody with Reflex to LGI1 and CASPR2 Screen and Titer

NEW TEST

47732 Beryllium, Serum or Plasma

Available Now

NEW TEST

47731 Chlamydia trachomatis L serovars (LGV) by PCR

Available Now

43549 Corticotropin Releasing Factor (CRF, CRH)

CPT changed to 83519

44785 Culture, Acid-Fast Bacilli, Feces

Collect and transport feces in a sterile, screw-capped plastic container with no media or preservative. Feces Culture/Enteric Transport Media is no longer acceptable.

45790 Carbamazepine, Free and Total

Remove prompts / AOE questions:

1545790 Carbamazepine Dose1645790 Carbamazepine Route

1745790 Carbamazepine Dose Frequency
 1845790 Carbamazepine Type of Draw

NEW TEST

36266 Clostridium difficile Toxin Gene by NAAT

Available Now

NEW TEST

36267 Clostridium difficile Toxin Gene by NAAT with Reflex to Toxins A and B by EIA

Available Now

Testing Algorithm:

If C. difficile Toxin Gene by NAAT is Negative, no further testing is performed.

If C. difficile Toxin Gene by NAAT is Positive, then C. difficile Toxins A and B by EIA (CPT 87324) is added.

36190 REFLEX: Clostridium difficile Toxins A and B by EIA

47005 Culture, Viral with Rapid CMV Culture, Non-Respiratory

Effective June 3, 2019

Add component:

• 1147005 CMV Early Ag

47006 Culture, Viral with Rapid CMV Culture, Respiratory

Effective June 3, 2019

Add component:

• 1147005 CMV Early Ag

NEW TEST

47717 Cytochrome P450 2C19 Genotyping

Available May 20, 2019

NEW TEST

47718 Cytochrome P450 2C8/2C9 Genotyping

Available May 20, 2019

NEW TEST

47719 Cytochrome P450 2D6 Genotyping;

Available May 20, 2019

NEW TEST

47720 Cytochrome P450 3A4/3A5 Genotyping

Available May 20, 2019

NEW TEST

47721 Cytochrome P450 Genotyping Panel

Available May 20, 2019

30123 Dehydroepiandrosterone Sulfate (DHEA-S)

Test requires serum. Plasma is not acceptable.

Stability: Refrigerated: 2 days; Frozen: 2 months

44575 Disopyramide, Serum or Plasma

Remove prompts / AOE questions:

1144575 Disopyramide Dose1244575 Disopyramide Route

1344575 Disopyramide Dose Frequency
 1444575 Disopyramide Type of Draw

28086 DNA Double-Stranded (dsDNA) Antibody, IgG Screen by Crithidia luciliae IFA with Reflex to Titer

Name change only.

Former test name: DNA Double-Stranded (dsDNA) Antibody, IgG Screen by IFA with Reflex to Titer

47182 Drug Detection Panel, Umbilical Cord Tissue, Qualitative

Effective May 20, 2019

Add component:

• 7747182 Gabapentin, Cord, Qual

Remove component:

• 1247182 Buprenorphine-G, Cord, Qual

44044 Ethosuximide, Serum or Plasma

Remove prompts / AOE questions:

1444044 Ethosuximide Dose1544044 Ethosuximide Route

1644044 Ethosuximide Dose Frequency1744044 Ethosuximide Type of Draw

42122 Gastrointestinal Pathogen Panel by Qualitative PCR, Feces

Effective July 1, 2019

CPT code will change to 0097U

47081 Gastrointestinal Stromal Tumor Mutation

Effective May 20, 2019

Method will change to Massively Parallel Sequencing.

Specimen requirements change (See enclosed).

NEW TEST

29136 Glucose, Plasma, Postprandial

Available Now

NEW TEST

33353 Granulocyte-Macrophage Colony-Stimulating Factor, Serum

Available Now

NEW TEST

35855 HBsAg, HCV Ab, and RPR Profile with Reflex

Available June 3, 2019

This is a Care Set comprised of the following:

- 28183 Hepatitis B Virus Surface Antigen, with Reflex to HBsAg Neutralization
- 28194 Hepatitis C Virus Antibody
- 28445 Rapid Plasma Reagin (RPR) Screen with Reflex to Syphilis Total Antibody and RPR Titer, Serum

NEW TEST

43796 hCG, Quantitative, Tumor Marker with HAMA Treatment, Serum

Available Now

NEW TEST

43790 HDL2b

Available Now

NEW TEST

35856 HIV Ag/Ab and RPR Profile with Reflex

Available June 3, 2019

This is a Care Set comprised of the following:

- 28272 HIV Antigen-Antibody Combo with Reflex to HIV-1/HIV-2 Ab Differentiation
- 28445 Rapid Plasma Reagin (RPR) Screen with Reflex to Syphilis Total Antibody and RPR Titer, Serum

43146 HIV-1 RNA by Qualitative TMA, Serum or Plasma

Name change only.

Former test name: HIV-1 RNA by Qualitative TMA

NEW TEST

47722 HIV-1 RNA by Qualitative TMA, Whole Blood

Available May 20, 2019

NEW TEST

47716 HIV-1 RNA by Quantitative TMA, CSF

Available Now

NEW TEST

43794 HLA-A29 Determination

Available Now



NEW TEST

43795 HLA-B51 Determination

Available Now

45914 Human Epididymis Protein 4 (HE4)

Effective May 20, 2019

Method will change to Electrochemiluminescent Immunoassay (ECLIA).

Specimen requirements change (See enclosed).

44256 Hypersensitivity Pneumonitis II

Effective May 20, 2019

Remove component:

• 1544256 T. sacchari Ab, Precipitin

CPT will change to: 86331x2; 86606x3

47638 Hypersensitivity Pneumonitis Panel

Effective May 20, 2019

Remove component:

1544256
 T. sacchari Ab, Precipitin

CPT will change to: 86331x6; 86606x5

NEW TEST

47723 Islet Antigen-2 (IA-2) Autoantibody, Serum

Available May 20, 2019

47679 KIT and PDGFRA Mutations, Melanoma

Effective May 20, 2019

Method will change to Massively Parallel Sequencing.

Specimen requirements change (See enclosed).

NEW TEST

47724 Muscle-Specific Kinase (MuSK) Antibody, IgG

Available May 20, 2019

NEW TEST

35851 Obstetric Panel with Reflex

Available June 3, 2019

This is a Care Set comprised of the following:

- 25517 CBC with Automated Differential
- 28183 Hepatitis B Virus Surface Antigen, with Reflex to HBsAg Neutralization
- 28036 Rubella Antibody, IaG
- 28445 Rapid Plasma Reagin (RPR) Screen with Reflex to Syphilis Total Antibody and RPR Titer, Serum
- 28031 HDN Antibody Screen with Reflex to Antibody ID and Titer(s)
- 22000 ABO/Rh Type

NEW TEST

35852 Obstetric Panel (Includes HIV Ag/Ab) with Reflex

Available June 3, 2019

This is a Care Set comprised of the following:

- 25517 CBC with Automated Differential
- 28183 Hepatitis B Virus Surface Antigen, with Reflex to HBsAg Neutralization
- 28272 HIV Antigen-Antibody Combo with Reflex to HIV-1/HIV-2 Ab Differentiation
- 28036 Rubella Antibody, IgG
- 28445 Rapid Plasma Reagin (RPR) Screen with Reflex to Syphilis Total Antibody and RPR Titer, Serum
- 28031 HDN Antibody Screen with Reflex to Antibody ID and Titer(s)
- 22000 ABO/Rh Type

NEW TEST

43793 OmegaCheck®, Whole Blood

Available Now

NEW TEST

43787 Oxidized Low-density Lipoprotein

Available Now

43528 Pepsinogen I (PG I), Serum or Plasma

CPT changed to 83520

45369 Phosphatidylcholine Antibodies, IgG, IgM and IgA

Effective Immediately

Performing lab changed to Quest Diagnostics Nichols Institute, Valencia CPT changed to 83520x3

Price increase

30182 QuantiFERON-TB Gold Plus

CPT code changed to 86481

NEW TEST

28445 Rapid Plasma Reagin (RPR) Screen with Reflex to Syphilis Total Antibody and RPR Titer, Serum

Available June 3, 2019

CPT: 0065U **OR** 0064U; if indicated, add 86593. See algorithm below.

Traditional Syphilis Serology Testing Algorithm.

- Qualitative RPR is performed by immunoassay.
- If RPR is non-reactive, no further testing is performed and CPT 0065U is billed.
- If RPR is reactive, then Syphilis Total Antibody is added and CPT 0064U is billed.
- If RPR and Syphilis Total Antibody are both reactive, then RPR titration (CPT 86593) is added.

28455 REFLEX: Syphilis Total Antibody, Serum

28448 REFLEX: RPR Titer, Serum

2028445 BILLONLY: RPR by Immunoassay, Serum (CPT 0065U)

2128439 BILLONLY: Syphilis Total Antibody and RPR by Immunoassay, Serum (CPT 0064U)

NEW TEST

28446 Rapid Plasma Reagin (RPR) with Reflex to RPR Titer, Serum (Response to Therapy)

Available June 3, 2019

Monitoring test for patients that have been previously diagnosed with syphilis. CPT: 0065U; if indicated, add 86593. See algorithm below.

Testing Algorithm:

- Qualitative RPR is performed by immunoassay and CPT 0065U is billed.
- If RPR is non-reactive, no further testing is performed.
- If RPR is reactive, then RPR titration (CPT 86593) is added.

28448 REFLEX: RPR Titer, Serum

NEW TEST

43786 Rivaroxaban, Plasma

Available Now

43639 ROMA (Risk of Ovarian Malignancy Algorithm)

Effective May 20, 2019

Method will change to Electrochemiluminescent Immunoassay (ECLIA). Specimen requirements change (See enclosed).

NEW TEST

43791 Small Dense Low-density Lipoprotein

Available Now

NEW TEST

28439 Syphilis Total Antibody with Reflex to RPR and TP-PA, Serum

Available June 3, 2019

CPT: 86780 **OR** 0064U; If indicated, add 86593 or 86780-59. See algorithm below. Reverse Syphilis Serology Testing Algorithm:

- Syphilis Total Antibody is performed by immunoassay.
- If Syphilis Total Antibody is non-reactive or equivocal, no further testing is performed and CPT 86780 is billed.
- If Syphilis Total Antibody is reactive, then qualitative RPR by immunoassay is added and CPT 0064U is billed.
- If RPR is reactive, then RPR titration (CPT 86593) is added.
- If RPR is non-reactive, then T. pallidum antibody by particle agglutination (CPT 86780-59) is added.

28447 REFLEX: RPR by Immunoassay, Serum

28448 REFLEX: RPR Titer, Serum

28449 REFLEX: Treponema pallidum Antibody, TP-PA, Serum

2028439 BILLONLY: Syphilis Total Antibody, Serum (CPT 86780)

2128439 BILLONLY: Syphilis Total Antibody and RPR by Immunoassay,

Serum (CPT 0064U)

NEW TEST

47728 Thiopurine Methyltransferase (TPMT) and Nudix Hydrolase (NUDT15) Genotyping

Available May 20, 2019

NEW TEST

43788 TMAO (Trimethylamine N-oxide)

Available Now

NEW TEST

43784 Tryptase, Mature and Total

Available Now

NEW TEST

47729 Warfarin Sensitivity (CYP2C8, CYP2C9, CYP4F2, VKORC1) Genotyping

Available May 20, 2019



ADMA/SDMA

SBMF#

43789

Mnemonic CPT Code(s)

ADMA/SDMA 82542

Specimen Information

Patient Prep: Fasting is recommended but not required.

Specimen: Serum

Container: Gold top (SST) tube

Requested Volume: 1 mL Minimum Volume: 0.5 mL

Collect: Standard phlebotomy procedure. Mix by inverting tube 5 times.

Specimen Processing: Allow specimen to clot for 30 minutes at room temperature. Centrifuge

to separate serum from cells.

Transport properly centrifuged gel-barrier tube specimen in the original

collection tube.

Storage/Transport Temp: Refrigerated.

Rejection Criteria: Specimens other than serum. Improper labeling. Samples not stored

properly. Samples older than stability limits. Hemolyzed specimens.

Stability: Room temperature: 1 day

Refrigerated: 7 days Frozen (-20°C): 193 days Frozen (-70°C): 193 days

Components

Asymmetric dimethylarginine (ADMA) Symmetric dimethylarginine (SDMA)

Also Known As

Toxic Dimethylarginines

Test Type Methodology

CHEMISTRY Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS)

Performance Laboratory

Reference Lab Test Code

Cleveland HeartLab, LLC (via Quest SJC) Quest# 94153 | CHL# C301



Allergen Tests

Specimen Information sheets are not provided for these new tests. Complete information is available in the Test Catalog on sbmf.org.

33345	Allergen, Drug, Gelatin (Porcine) IgE
33347	Allergen, Food of Animal Origin, Mahi Mahi IgE
33329	Allergen, Food of Animal Origin, Venison IgE
33324	Allergen, Food of Animal Origin, Yogurt IgE
33327	Allergen, Food of Plant Origin, Guava IgE
33343	Allergen, Food of Plant Origin, Zucchini IgE
33352	Allergen, Mold/Microorganism, Acremonium kiliense IgG
33344	Allergen, Mold/Microorganism, Aspergillus flavus IgE
33341	Allergen, Mold/Microorganism, Gliocladium fimbriatum IgE
33323	Allergen, Tree Pollen, Black Willow IgE
33322	Allergen, Tree Pollen, Cedar Elm IgE
33339	Allergen, Tree Pollen, Chinese Elm IgE
33346	Allergen, Tree Pollen, Shagbark Hickory IgE
33348	Allergen, Tree Pollen, Sugar Maple IgE
33330	Allergen, Tree Pollen, White Hickory IgE
33350	Allergen, Tree Pollen, White Poplar IgE
33342	Allergen, Weed Pollen, Pyrethrum IgE
33351	Allergen, Weed Pollen, Wingscale IgE



Apixaban, Plasma

SBMF# 43785

Mnemonic CPT Code(s) **APIXA** 80299

Specimen Information

Specimen: Platelet-poor plasma (PPP)

Container: Light Blue top (Sodium Citrate) tube

Requested Volume: 1 mL Minimum Volume: 0.5 mL

Collect:

• NOTE: Traumatic puncture invalidates sample for coagulation studies

and necessitates recollection

• Observe proper collection order for coagulation tests; collect tubes for coagulation studies prior to collecting tubes containing clot activators,

additives, or anticoagulants

• Fill Light Blue top tubes to stated tube volume

• If coagulation study is only test ordered, collect 1-2 mL blood into tube

for discard, then collect Light Blue top coagulation study tube(s) • If multiple coagulation studies are requested, submit additional

samples for each coagulation test

• Immediately after collection, mix by gently inverting tubes 3-4 times

Specimen Processing: Separate plasma from cells immediately

Promptly centrifuge 15 minutes

Carefully transfer plasma portion of sample to separate plastic tube

using plastic pipette

• NOTE: Platelet/Buffy coat layer of sample must be avoided

· Centrifuge transferred plasma sample again to produce platelet-poor

plasma (PPP)

• Use second plastic pipette to carefully transfer top portion of plasma

leaving approximately 250 mcL discard in bottom of tube

Aliquot PPP into clearly labeled plastic tubes

• Immediately freeze PPP samples

CRITICAL FROZEN: Separate specimens must be submitted when Storage/Transport Temp:

multiple tests are ordered.

Rejection Criteria: Clotted, hemolyzed, icteric, or grossly lipemic specimens.

> Stability: Room temperature: Unacceptable

> > Refrigerated: Unacceptable

Frozen: 28 days

Also Known As

ELIQUIS®

Test Type Methodology

COAGULATION Chromogenic

Reference Lab Test Code Performance Laboratory

Quest Diagnostics Nichols Institute, Chantilly

(via Quest SJC)

94223



Autoimmune Encephalitis Extended Panel

SBMF# **35551**

Mnemonic CPT Code(s)

ENCEPH EXT 83516; 83519; 86255x6; 86341

Specimen Information

Specimen: Serum

Container: Four (4) Gold top (SST) tubes

Requested Volume: Collection tubes filled to the stated draw volume of the tube.

Collect: Standard phlebotomy procedure. Mix by inverting tubes 5 times.

Specimen Processing: Allow specimens to clot completely at room temperature. Centrifuge to

separate serum from cells. Transport properly centrifuged gel-barrier

tube specimens in the original collection tubes.

Storage/Transport Temp: Refrigerated.

Components

47696 AMPA Receptor Antibody, IgG by IFA with Reflex to Titer, Serum

47426 Aquaporin-4 Receptor Antibody by ELISA, with Reflex to AQP4 Receptor Antibody, IgG by IFA, Serum

47377 Contactin-Associated Protein-2 Antibody, IgG with Reflex to Titer

47702 GABA-B Receptor Antibody, IgG by IFA with Reflex to Titer, Serum

28276 Glutamic Acid Decarboxylase Antibody

47381 Leucine-Rich, Glioma-Inactivated Protein 1 Antibody, IgG with Reflex to Titer

47706 Myelin Oligodendrocyte Glycoprotein (MOG) Antibody, IgG by IFA with Reflex to Titer, Serum

45838 N-methyl-D-Aspartate Receptor Antibody, IgG Screen, Serum with Reflex to Titer by IFA

45846 Voltage-Gated Potassium Channel (VGKC) Antibody, Serum

Note

Refer to catalog listing for each component test for complete information including run schedules, reflexive testing, alternate containers, minimum volumes, stability limits, and rejection criteria.

Test Type	
CARE SET	



Autoimmune Encephalitis Reflexive Panel

SBMF# **35527**

Mnemonic CPT Code(s)

AUTOENCEPH 83516; 83519; 86255; 86341

Specimen Information

Specimen: Serum

Container: Four (4) Gold top (SST) tubes

Requested Volume: Collection tubes filled to the stated draw volume of the tube.

Collect: Standard phlebotomy procedure. Mix by inverting tubes 5 times.

Specimen Processing: Allow specimens to clot completely at room temperature. Centrifuge to

separate serum from cells. Transport properly centrifuged gel-barrier

tube specimens in the original collection tubes.

Storage/Transport Temp: Refrigerated.

Components

47426 Aquaporin-4 Receptor Antibody by ELISA, with Reflex to AQP4 Receptor Antibody, IgG by IFA, Serum

28276 Glutamic Acid Decarboxylase Antibody

45838 N-methyl-D-Aspartate Receptor Antibody, IgG Screen, Serum with Reflex to Titer by IFA 47376 Voltage-Gated Potassium Channel (VGKC) Antibody with Reflex to LGI1 and CASPR2 Screen and Titer

Note

Refer to catalog listing for each component test for complete information including run schedules, reflexive testing, alternate containers, minimum volumes, stability limits, and rejection criteria.

Test Type	
CARE SET	



Beryllium, Serum or Plasma

SBMF# **47732**

Mnemonic CPT Code(s)

BE SP 83018

Specimen Information

Specimen: Serum or plasma

Container: Royal Blue top (EDTA; Trace element-free) or Royal Blue top (No

Additive; Trace element-free) tube

Requested Volume: 1 mL Minimum Volume: 0.4 mL

Collect: Standard phlebotomy procedure. Mix by inverting tube 8 times.

Specimen Processing: Promptly centrifuge and separate Serum or Plasma into an acid washed

plastic screw capped vial using approved guidelines.

Storage/Transport Temp: Refrigerated.

Rejection Criteria: Polymer gel separation tube (SST or PST)

Stability: Room temperature: 14 days

Refrigerated: 14 days Frozen: 14 days

Components

Beryllium

Also Known As

Ве

Test Type Methodology

METAL/ELEMENT Inductively Coupled Plasma/Mass Spectrometry (ICP/MS)

Performance Laboratory Reference Lab Test Code

NMS Labs (via ARUP) ARUP# 3000967 | NMS# 0638SP



Chlamydia trachomatis L serovars (LGV) by PCR

SBMF# **47731**

Mnemonic	CPT	Code((\mathbf{S}))
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CT LGVPCR 87491

Specimen Information

Specimen: Vaginal, rectal, cervical, urethral, genital, or penile swab.

Container: APTIMA Unisex Swab Specimen Collection kit (ARUP supply #28907)

OR Viral Transport Media

Alternate Specimen: Urine

Alternate Container: APTIMA Urine Specimen Transport Tube (ARUP supply #28908)

Collect: Refer to "Sample Collection for the Diagnosis of STD" for specific

specimen collection and transport instructions.

Specimen Processing: APTIMA Swab: Place blue swab in Swab Specimen Transport Tube,

break shaft off at scoreline then recap tube.

Urine: Transfer 2 mL urine to an APTIMA Urine Specimen Transport

Tube. Liquid level must be between fill lines on tube.

Swab in Viral Transport Media (UTM): Transfer swab to viral transport

media.

Storage/Transport Temp: Refrigerated.

Remarks: Specimen source required. Stability: Room temperature: 1 month

Refrigerated: 1 month Frozen: 1 month

Also Known As

LGV; Lymphogranuloma Venereum

Test Type Methodology

INFECTIOUS ORGANISM Qualitative Polymerase Chain Reaction (PCR)

Performance Laboratory Reference Lab Test Code



Clostridium difficile Toxin Gene by NAAT

SBMF# **36266**

Mnemonic CPT Code(s)

CDGENE NAA 87493

Specimen Information

Specimen Processing:

Specimen: Feces, liquid or unformed

Container: Screw-capped, sterile container

Requested Volume: 1 mL or 2 g Minimum Volume: 0.25 mL

Collect: Liquid or unformed (semi-solid) feces indicative of CDAD. Specimen

must take the shape of the container.

Refer to: Laboratory Non-blood Specimen Collection User's Guide Transfer liquid or unformed feces to a sterile plastic container with no

additives or preservatives.

Storage/Transport Temp: Refrigerated.

Rejection Criteria: Formed (solid) feces. Specimens in media or preservatives.

Stability: Room temperature: 48 hours

Refrigerated: 5 days

Frozen: 7 days (avoid repeated freeze/thaw cycles)

Also Known As

Antibiotic Associated Diarrhea; Antibiotic Associated Pseudomembraneous Colitis; C diff; C. difficile Toxin B Gene; Clostridium difficile by PCR; Clostridioides difficile; Cytotoxigenic C. difficile; tcdB Gene

Test Type Methodology

INFECTIOUS ORGANISM Qualitative Real-Time Polymerase Chain Reaction (PCR)

Performance Laboratory

.SBMF Flow Cytometry / Molecular Pathology



Clostridium difficile Toxin Gene by NAAT with Reflex to Toxins A and B by EIA

SBMF# 36267

Mnemonic CPT Code(s)

CDGENERFX 87493

Specimen Information

Specimen: Feces, liquid or unformed Container: Screw-capped, sterile container

Requested Volume: 1 mL or 2 g Minimum Volume: 0.25 mL

> Collect: Liquid or unformed (semi-solid) feces indicative of CDAD. Specimen

> > must take the shape of the container.

Refer to: Laboratory Non-blood Specimen Collection User's Guide

Specimen Processing: Transfer liquid or unformed feces to a sterile plastic container with no

additives or preservatives.

Storage/Transport Temp: Refrigerated.

Formed (solid) feces. Specimens in media or preservatives. Rejection Criteria:

Room temperature: 48 hours Stability:

Refrigerated: 5 days

Frozen: 7 days (avoid repeated freeze/thaw cycles)

Components

Clostridium difficile toxin B gene (tcdB) by PCR

Reflexive Testing

If C. difficile toxin B gene by PCR is positive, then C. difficile Toxins A and B by EIA (CPT 87324) will be added. Additional charges apply.

36190 REFLEX: Clostridium difficile Toxins A and B by EIA

Also Known As

Antibiotic Associated Diarrhea; Antibiotic Associated Pseudomembraneous Colitis; C diff; C. difficile Toxin B Gene; Clostridium difficile by PCR; Clostridioides difficile; Cytotoxigenic C. difficile; tcdB Gene; NAAT plus toxin algorithm

Test Type Methodology

INFECTIOUS ORGANISM Qualitative Real-Time Polymerase Chain Reaction (PCR)

Performance Laboratory

.SBMF Flow Cytometry / Molecular Pathology



Cytochrome P450 2C19 Genotyping

SBMF# **47717**

Mnemonic	CPT Code(s)
CYP2C19	81225

Medicare Coverage

Local Coverage Determination (LCD): Genetic Testing for CYP2C19, CYP2D6, CYP2C9, and VKORC1 (L36398)

Specimen Information

Patient Prep: NOTICE: Genetic tests are often subject to limited coverage and/or

prior-authorization requirements. Consult the patient's medical

insurance provider before ordering this test.

Counseling and informed consent are recommend

Specimen: Whole blood

Container: Lavender top (EDTA), Pink top (K2EDTA), or Yellow top (ACD Solution

A or B) tube

Alternate Specimen: Saliva

Alternate Container: OCD-100 Saliva Collection Device by DNA Genotek (ARUP Supply

#49295)

Requested Volume: Whole blood: 3 mL

Saliva: One collection device

Minimum Volume: 1 mL

Collect: Whole blood: Standard phlebotomy procedure. Mix by inverting tube 8

times.

Saliva: Follow instructions in collection kit.

Specimen Processing: Transport whole blood in the original collection tube. **Do not centrifuge.**

OR Transport the Saliva Collection Device.

Storage/Transport Temp: Whole blood: Refrigerated.

Saliva: Room temperature.

Rejection Criteria: Plasma or serum. Specimens collected in sodium heparin or lithium

heparin.

Stability: Whole blood: Saliva:

Room temperature: 72 hours
Refrigerated: 1 week
Refrigerated: 1 month
Room temperature: 2 weeks
Refrigerated: Unacceptable
Frozen: 1 month
Room temperature: 2 weeks
Refrigerated: Unacceptable

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CYP2C19

Test Type	Methodology	
GENETIC	Polymerase Chain Reaction (PCR); Fluorescence Monitoring	

Performance Laboratory ARUP Laboratories Reference Lab Test Code 3001508



Cytochrome P450 2C8/2C9 Genotyping

SBMF# **47718**

Mnemonic CPT Code(s)

2C8/2C9 81227; 81479

(MoIDX® Recommended CPT Code: Pending)

Medicare Coverage

Local Coverage Determination (LCD): Genetic Testing for CYP2C19, CYP2D6, CYP2C9, and VKORC1 (L36398)

Specimen Information

Patient Prep: NOTICE: Genetic tests are often subject to limited coverage and/or

prior-authorization requirements. Consult the patient's medical

insurance provider before ordering this test.

Counseling and informed consent are recommend

Specimen: Whole blood

Container: Lavender top (EDTA), Pink top (K2EDTA), or Yellow top (ACD Solution

A or B) tube

Alternate Specimen: Saliva

Alternate Container: OCD-100 Saliva Collection Device by DNA Genotek (ARUP Supply

#49295)

Requested Volume: Whole blood: 3 mL

Saliva: One collection device

Minimum Volume: 1 mL

Collect: Whole blood: Standard phlebotomy procedure. Mix by inverting tube 8

times.

Saliva: Follow instructions in collection kit.

Specimen Processing: Transport whole blood in the original collection tube. **Do not centrifuge.**

OR Transport the Saliva Collection Device.

Storage/Transport Temp: Whole blood: Refrigerated.

Saliva: Room temperature.

Rejection Criteria: Plasma or serum. Specimens collected in sodium heparin or lithium

heparin.

Stability: Whole blood: Saliva:

Room temperature: 72 hours
Refrigerated: 1 week
Refrigerated: Unacceptable
Frozen: 1 month
Room temperature: 2 weeks
Refrigerated: Unacceptable

Also Known As

CYP2C8 and CYP2C9

Test Type Methodology

GENETIC Polymerase Chain Reaction (PCR); Fluorescence Monitoring

Performance Laboratory Reference Lab Test Code



Cytochrome P450 2D6 Genotyping

SBMF# **47719**

Mnemonic CPT Code(s)

CYP2D6 81226

Medicare Coverage

Local Coverage Determination (LCD): Genetic Testing for CYP2C19, CYP2D6, CYP2C9, and VKORC1 (L36398)

Specimen Information

Patient Prep: NOTICE: Genetic tests are often subject to limited coverage and/or

prior-authorization requirements. Consult the patient's medical

insurance provider before ordering this test.

Counseling and informed consent are recommend

Specimen: Whole blood

Container: Lavender top (EDTA), Pink top (K2EDTA), or Yellow top (ACD Solution

A or B) tube

Alternate Specimen: Saliva

Alternate Container: OCD-100 Saliva Collection Device by DNA Genotek (ARUP Supply

#49295)

Requested Volume: Whole blood: 3 mL

Saliva: One collection device

Minimum Volume: 1 mL

Collect: Whole blood: Standard phlebotomy procedure. Mix by inverting tube 8

times.

Saliva: Follow instructions in collection kit.

Specimen Processing: Transport whole blood in the original collection tube. **Do not centrifuge.**

OR Transport the Saliva Collection Device.

Storage/Transport Whole blood: Refrigerated.

Temp: **Saliva:** Room temperature.

Rejection Criteria: Plasma or serum. Specimens collected in sodium heparin or lithium

heparin.

Stability: Whole blood: Saliva:

Room temperature: 72 hours
Refrigerated: 1 week
Refrigerated: Unacceptable
Frozen: 1 month
Room temperature: 2 weeks
Refrigerated: Unacceptable
Frozen: Unacceptable

Also Known As

CYP2D6

Test Type Methodology

GENETIC Polymerase Chain Reaction (PCR); Fluorescence Monitoring

Performance Laboratory Reference Lab Test Code



Cytochrome P450 3A4/3A5 Genotyping

SBMF# **47720**

Mnemonic CPT Code(s)

3A4/3A5 81230: 81231

(MoIDX® Recommended CPT Code: Pending)

Medicare Coverage

Local Coverage Determination (LCD): Molecular Diagnostic Testing (L36807)

Specimen Information

Patient Prep: NOTICE: Genetic tests are often subject to limited coverage and/or

prior-authorization requirements. Consult the patient's medical

insurance provider before ordering this test.
Counseling and informed consent are recommend

Counseling and informed consent a

Specimen: Whole blood

Container: Lavender top (EDTA), Pink top (K2EDTA), or Yellow top (ACD Solution

A or B) tube

Alternate Specimen: Saliva

Alternate Container: OCD-100 Saliva Collection Device by DNA Genotek (ARUP Supply

#49295)

Requested Volume: Whole blood: 3 mL

Saliva: One collection device

Minimum Volume: 1 mL

Collect: Whole blood: Standard phlebotomy procedure. Mix by inverting tube 8

times.

Saliva: Follow instructions in collection kit.

Specimen Processing: Transport whole blood in the original collection tube. **Do not centrifuge.**

OR Transport the Saliva Collection Device.

Storage/Transport Whole blood: Refrigerated.

Temp: Saliva: Room temperature.

Rejection Criteria: Plasma or serum. Specimens collected in sodium heparin or lithium

heparin.

Stability: Whole blood: Saliva:

Room temperature: 72 hours
Refrigerated: 1 week
Refrigerated: Unacceptable
Frozen: 1 month
Room temperature: 2 weeks
Refrigerated: Unacceptable

Also Known As

CYP3A4 and CYP3A5

Test Type Methodology

GENETIC Polymerase Chain Reaction (PCR); Fluorescence Monitoring

Performance Laboratory Reference Lab Test Code



Cytochrome P450 Genotyping Panel

SBMF# **47721**

Mnemonic CPT Code(s)

CYP PANEL 81225; 81226; 81227; 81230; 81231; 81479 (MoIDX® Recommended CPT Code: Pending)

Medicare Coverage

Local Coverage Determination (LCD): Genetic Testing for CYP2C19, CYP2D6, CYP2C9, and VKORC1

(L36398)

Local Coverage Determination (LCD): Molecular Diagnostic Testing (L36807)

Specimen Information

Patient Prep: NOTICE: Genetic tests are often subject to limited coverage and/or

prior-authorization requirements. Consult the patient's medical

insurance provider before ordering this test.
Counseling and informed consent are recommend

Specimen: Whole blood

Container: Lavender top (EDTA), Pink top (K2EDTA), or Yellow top (ACD Solution

A or B) tube

Alternate Specimen: Saliva

Alternate Container: OCD-100 Saliva Collection Device by DNA Genotek (ARUP Supply

#49295)

Requested Volume: Whole blood: 3 mL

Saliva: One collection device

Minimum Volume: 1 mL

Collect: Whole blood: Standard phlebotomy procedure. Mix by inverting tube 8

times.

Saliva: Follow instructions in collection kit.

Specimen Processing: Transport whole blood in the original collection tube. **Do not centrifuge.**

OR Transport the Saliva Collection Device.

Storage/Transport Whole blood: Refrigerated.

Temp: **Saliva:** Room temperature.

Rejection Criteria: Plasma or serum. Specimens collected in sodium heparin or lithium

heparin.

Stability: Whole blood: Saliva:

Room temperature: 72 hours
Refrigerated: 1 week
Frozen: 1 month
Room temperature: 2 weeks
Refrigerated: Unacceptable
Frozen: Unacceptable

Components

CYP2C19, CYP2C8, CYP2C9, CYP2D6, CYP3A4 and CYP3A5

Test Type Methodology

GENETIC Polymerase Chain Reaction (PCR); Fluorescence Monitoring

Performance Laboratory Reference Lab Test Code



Dehydroepiandrosterone Sulfate (DHEA-S)

SBMF# **30123**

Mnemonic CPT C	Code	(s)	١
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DHEA-S 82627

Specimen Information

Patient Prep: This assay is susceptible to biotin interference. Samples should not be

taken from patients receiving biotin therapy/supplement until at least 24

hours following the last biotin administration.

Specimen: Serum

Container: Gold top (SST) or Red top (Serum) tube

Requested Volume: 1 mL Minimum Volume: 0.5 mL

Collect: Standard phlebotomy procedure. Mix by inverting tube 5 times.

Specimen Processing: Allow specimen to clot completely at room temperature. Centrifuge to

separate serum from cells.

SST: Transport properly centrifuged gel-barrier tube specimen in the

original collection tube.

Red top: Transfer serum to a plastic transport tube.

Storage/Transport Temp: Refrigerated (48 hours) or frozen.

Rejection Criteria: Severely hemolyzed or lipemic specimens.

Stability: Refrigerated: 2 days Frozen: 2 months

Components

DHEA-Sulfate

Also Known As

DHEA-S; DHEA-SO4; DHEA Sulfate

Test Type Methodology
HORMONE Immunoassay (IA)

Performance Laboratory

.SBMF Chemistry and Immunoassays



Gastrointestinal Stromal Tumor Mutation

SBMF# 47081

Mnemonic CPT Code(s)

GIST MUT 81272: 81314: 88381

(MoIDX® Recommended CPT Code: 81479)

Medicare Coverage

Local Coverage Determination (LCD): MoIDX: Molecular Diagnostic Tests (MDT) (L36807)

Specimen Information

Patient Prep: NOTICE: Genetic tests are often subject to limited coverage and/or

prior-authorization requirements. Consult the patient's medical

insurance provider before ordering this test.

Tissue block and/or slides Specimen:

Container: Tissue transport kit (ARUP supply #47808) Resections: 8 unstained 5-micron slides. Requested Volume:

Small Biopsies: 15 unstained 5-micron slides.

Minimum Volume: Resections: 5 slides

Small Biopsies: 10 slides

Collect: Tumor tissue.

Specimen Processing: Formalin fix (10 percent neutral buffered formalin) and paraffin embed

tissue. Diff-Quik and Papanicolaou stained cytology smears are also acceptable. Number of slides needed is dependent on the tumor

cellularity of the smear. Slide(s) will be destroyed during testing process and will not be returned to client. Protect from excessive heat. Transport block and/or slides in a tissue transport kit (ARUP supply #47808).

Storage/Transport Temp: Room temperature. Also acceptable: Refrigerated. Ship in cooled

container during summer months.

Rejection Criteria: Less than 10 percent tumor. Specimens fixed/processed in heavy metal

fixatives. Decalcified specimens. FNA smears with less than 50 tumor

cells.

Remarks: Include surgical pathology report. Tissue block will be returned after

testina.

Room temperature: Indefinitely Stability:

> Refrigerated: Indefinitely Frozen: Unacceptable

Also Known As

c-KIT; c-kit Mutation Analysis in Gastrointestinal Stromal Tumors (GISTs); CD117; cKIT; GIST; GIST Mutation; KIT; KIT exons 11, 9, 13, and 17; KIT mutation; PDGFRA Mutation in Gastrointestinal Stromal Tumors (GISTs); TKI resistance; TKI sensitivity

Test Type Methodology

GENETIC Massively Parallel Sequencing

Reference Lab Test Code Performance Laboratory



Glucose, Plasma, Postprandial

SBMF# 29136

Mnemonic CPT Code(s)

POST GLU 82947

Medicare Coverage

National Coverage Determination (NCD) for Blood Glucose Testing (190.20)

Specimen Information

Patient Prep: Timing of specimen collection: Postprandial draw - Two hours after a

meal

Specimen: Plasma or serum

Container: Light Green top (PST), Gray top (Potassium Oxalate/Sodium Fluoride),

Green top (Lithium Heparin), or Lavender top (EDTA) tube

Gold top (SST) or Red top (Serum) tube Alternate Container:

Note: Although not preferred, serum samples are acceptable, but must

be removed from cells within 60 minutes of collection.

Requested Volume: 1 mL Minimum Volume: 0.3 mL

Collect: Standard phlebotomy procedure. Mix by inverting tube 8 times.

Specimen Processing: Allow serum specimen to clot for 30 minutes at room temperature.

Separate from cells ASAP or within 60 minutes of collection.

PST, SST, or Gray top: Transport properly centrifuged gel-barrier or

Gray top tube specimens in the original collection tube.

Other collection tubes: Transfer serum or plasma to a plastic

transport tube.

Storage/Transport Temp: Refrigerated.

> Rejection Criteria: Serum or plasma in contact with red blood cells for more than one hour. Remarks:

For diagnostic purposes, plasma specimens are recommended, rather than serum. Plasma glucose results are generally 5% lower than serum

and the cutoff values for diagnostic testing, as recommended by the American Diabetes Association (ADA), were established using plasma.

Stability: After separation from cells (no hemolysis):

Room temperature: 8 hours

Refrigerated: 72 hours

Also Known As

Post Meal Glucose; Postprandial Glucose; Postprandial Plasma Glucose; PPG

Test Type Methodology

CHEMISTRY Quantitative Enzymatic

Performance Laboratory

.SBMF Automated Laboratory / Hematology



Granulocyte-Macrophage Colony-Stimulating Factor, Serum

SBMF# **33353**

Mnemonic	CPT Code(s)		
GMCSF SER	83520		
Medicare Coverage			
Considered experimental and			
Local Coverage Determination	1 (LCD): Allergy Testing	g (L36402)	
Specimen Information	n		
Specimen:	Serum		
Container:	Red top (Serum) tube		
Requested Volume:	1 mL		
Minimum Volume:	0.1 mL	and and the Minchestian to be 5 times	
Collect:		procedure. Mix by inverting tube 5 times.	
Specimen Processing:	Transfer serum to a screw-capped plastic transport tube and freeze.		
Storage/Transport Temp:	Frozen.		
Stability:	Frozen: 14 days (Stable 3 freeze/thaw cycles)		
Also Known As			
GM-CSF Serum			
To at T: ::: a	Mathadalaa		
Test Type		Methodology	
IMMUNOLOGY	Immunoassay (IA)		
Performance Laborat	·orv	Reference Lab Test Code	
		1255	
Viracor Eurofins Clinical Diagnostics		1200	



HBsAg, HCV Ab, and RPR Profile with Reflex

SBMF# **35855**

 Mnemonic
 CPT Code(s)

 HBVHCVRPR
 0065U; 86803; 87340

Medicare Coverage

Frequency Limitations

National Coverage Determination (NCD) for Screening for Hepatitis C Virus (HCV) in Adults (210.13) National Coverage Determination (NCD) for Screening for Sexually Transmitted Infections (STIs) and High-Intensity Behavioral Counseling (HIBC) to Prevent STIs (210.10)

Specimen Information

Specimen: Serum

Container: Two (2) Gold top (SST) tubes

Requested Volume: Collection tubes filled to the stated draw volume of the tube.

Collect: Standard phlebotomy procedure. Mix by inverting tubes 5 times.

Specimen Processing: Allow specimens to clot completely at room temperature. Centrifuge to

separate serum from cells. Transport properly centrifuged gel-barrier

tube specimens in the original collection tubes.

Storage/Transport Temp: Refrigerated.

Components

28183 Hepatitis B Virus Surface Antigen, with Reflex to HBsAg Neutralization 28194 Hepatitis C Virus Antibody

28445 Rapid Plasma Reagin (RPR) Screen with Reflex to Syphilis Total Antibody and RPR Titer, Serum

Note

Refer to catalog listing for each component test for complete information including run schedules, reflexive testing, alternate containers, minimum volumes, stability limits, and rejection criteria.

Test Type	
CARE SET	



hCG, Quantitative, Tumor Marker with HAMA Treatment, Serum

SBMF# **43796**

Mnemonic	CPT Code(s)	
HCG HAMA	84702x2	

Medicare Coverage

National Coverage Determination (NCD) for Human Chorionic Gonadotropin (190.27)

Specimen Information

Specimen: Serum

Container: Gold top (SST) or Red top (Serum) tube

Requested Volume: 2 mL Minimum Volume: 1 mL

Collect: Standard phlebotomy procedure. Mix by inverting tube 5 times.

Specimen Processing: Allow specimen to clot completely at room temperature. Centrifuge to

separate from cells and transfer serum to a screw-capped plastic

transport tube.

Storage/Transport Temp: Room temperature.

Stability: Room temperature: 7 days

Refrigerated: 7 days Frozen: 28 days

Components

hCG, Total, Quantitative HAMA Treated hCG, Total, Quantitative Untreated

Also Known As

hCG, Total with HAMA Treatment

Test Type Methodology
TUMOR MARKER Immunoassay (IA)

Performance Laboratory Reference Lab Test Code

Quest Diagnostics Nichols Institute, SJC 19720



HDL2b SBMF# **43790**

Mnemonic CPT Code(s)

HDL2B 83701

Medicare Coverage

Local Coverage Determination (LCD): MolDX: Biomarkers in Cardiovascular Risk Assessment (L36523)

Specimen Information

Specimen: Serum

Container: Gold top (SST) tube

Requested Volume: 0.5 mL Minimum Volume: 0.3 mL

Collect: Standard phlebotomy procedure. Mix by inverting tube 5 times.

Specimen Processing: Allow specimen to clot for 30 minutes at room temperature. Centrifuge

to separate serum from cells.

Transport properly centrifuged gel-barrier tube specimen in the original

collection tube.

Storage/Transport Temp: Refrigerated.

Rejection Criteria: Specimens other than serum. Improper labeling. Samples not stored

properly. Samples older than stability limits. Grossly hemolyzed,

lipemic, or icteric specimens.

Remarks: Serum sample must be stored in refrigerated temperature within an

hour of collection.

Stability: Room temperature: Unacceptable

Refrigerated: 5 days Frozen (-20°C): 7 days Frozen (-70°C): 21 days

Also Known As

2h

Test Type Methodology

LIPID Microfluidics Electrophoresis

Performance Laboratory Reference Lab Test Code

Cleveland HeartLab, LLC (via Quest SJC) Quest# 36405 | CHL# 1342



HIV Ag/Ab and RPR Profile with Reflex

SBMF# **35856**

Mnemonic CPT Code(s)
HIVRPR 0065U: 87389

Medicare Coverage

Frequency Limitations

National Coverage Determination (NCD) for Screening for the Human Immunodeficiency Virus (HIV) Infection (210.7)

National Coverage Determination (NCD) for Screening for Sexually Transmitted Infections (STIs) and High-Intensity Behavioral Counseling (HIBC) to Prevent STIs (210.10)

Specimen Information

Specimen: Serum

Container: Two (2) Gold top (SST) tubes

Requested Volume: Collection tubes filled to the stated draw volume of the tube.

Collect: Standard phlebotomy procedure. Mix by inverting tubes 5 times.

Specimen Processing: Allow specimens to clot completely at room temperature. Centrifuge to

separate serum from cells. Transport properly centrifuged gel-barrier

tube specimens in the original collection tubes.

Storage/Transport Temp: Refrigerated.

Components

28272 HIV Antigen-Antibody Combo with Reflex to HIV-1/HIV-2 Ab Differentiation 28445 Rapid Plasma Reagin (RPR) Screen with Reflex to Syphilis Total Antibody and RPR Titer, Serum

Note

Refer to catalog listing for each component test for complete information including run schedules, reflexive testing, alternate containers, minimum volumes, stability limits, and rejection criteria.

Test Type	
CARE SET	



HIV-1 RNA by Qualitative TMA, Whole Blood

SBMF# **47722**

Mnemonic	CPT Code(s)	
HIV QUAL	87535	

Medicare Coverage

National Coverage Determination (NCD) for Human Immunodeficiency Virus (HIV) Testing (Diagnosis) (190.14)

Specimen Information

Specimen: Whole blood

Container: Lavender top (EDTA) or Pink top (K2EDTA) tube

Requested Volume: 1 mL Minimum Volume: 0.4 mL

Collect: Standard phlebotomy procedure. Mix by inverting tube 8 times.

Specimen Processing: Transport whole blood in the original collection tube.

Do not centrifuge.

Storage/Transport Temp: Refrigerated.

Rejection Criteria: Heparinized specimens.

Stability: Room temperature: Unacceptable

Refrigerated: 1 week Frozen: 1 week

Test Type Methodology

INFECTIOUS ORGANISM Qualitative Transcription Mediated Amplification (TMA)

Performance Laboratory Reference Lab Test Code



HIV-1 RNA, Quantitative NAAT, CSF

SBMF# **47716**

Mnemonic CPT Code(s)

HIVCSF QNT 87536

Medicare Coverage

National Coverage Determination (NCD) for Human Immunodeficiency Virus (HIV) Testing (Prognosis Including Monitoring) (190.13)

Specimen Information

Specimen: Cerebrospinal fluid (CSF)

Container: Sterile screw-capped plastic transport tube

Requested Volume: 2 mL Minimum Volume: 0.8 mL

Collect: Cerebrospinal fluid (CSF) obtained via lumbar puncture.

Specimen Processing: Transfer CSF to a screw-capped plastic transport tube.

Storage/Transport Temp: Frozen.

Rejection Criteria: Specimens other than CSF.

Stability: Room temperature: Unacceptable

Refrigerated: 5 days Frozen: 1 month

Test Type Methodology

INFECTIOUS ORGANISM Quantitative Transcription-Mediated Amplification (TMA)

Performance Laboratory Reference Lab Test Code



HLA-A29 Determination

SBMF# **43794**

Mnemonic CPT Code(s)

HLA A29 81374

Medicare Coverage

National Coverage Determination (NCD) for Histocompatibility Testing (190.1)

Local Coverage Determination (LCD): MolDX: Molecular Diagnostic Tests (MDT) (L36807)

Specimen Information

Patient Prep: NOTICE: Genetic tests are often subject to limited coverage and/or

prior-authorization requirements. Consult the patient's medical

insurance provider before ordering this test.

Specimen: Whole blood

Container: Lavender top (EDTA) or Yellow top (ACD Solution A) tube(s)

Alternate Specimen: Buccal Swabs

Requested Volume: 5-14 mL EDTA Whole blood, **OR**

4 Buccal Swabs

Collect: Standard phlebotomy procedure. Mix by inverting tube 8 times.

Specimen Processing: Transport whole blood in the original collection tube.

Do not centrifuge. Do not freeze.

Storage/Transport Temp: Room temperature.

Rejection Criteria: Frozen specimens.

Stability: Whole blood: Buccal swabs:

Room temperature: 14 days
Refrigerated: Unacceptable
Frozen: Unacceptable
Frozen: Unacceptable
Room temperature: 30 days
Refrigerated: Unacceptable
Frozen: Unacceptable

Test Type Methodology

GENETIC Polymerase Chain Reaction-Reverse Sequence Specific

Oligonucleotide (PCR-rSSO)

Performance Laboratory Reference Lab Test Code

Versiti Wisconsin, Inc. (via Quest SJC)

Quest# 16773 | BCW# 2274



HLA-B51 Determination

SBMF# **43795**

Mnemonic CPT Code(s)

HLA B51 81374

Medicare Coverage

National Coverage Determination (NCD) for Histocompatibility Testing (190.1)

Local Coverage Determination (LCD): MolDX: Molecular Diagnostic Tests (MDT) (L36807)

Specimen Information

Patient Prep: NOTICE: Genetic tests are often subject to limited coverage and/or

prior-authorization requirements. Consult the patient's medical

insurance provider before ordering this test.

Specimen: Whole blood

Container: Lavender top (EDTA) or Yellow top (ACD Solution A) tube(s)

Alternate Specimen: Buccal Swabs

Requested Volume: 5-14 mL EDTA Whole blood, **OR**

4 Buccal Swabs

Collect: Standard phlebotomy procedure. Mix by inverting tube 8 times.

Specimen Processing: Transport whole blood in the original collection tube.

Do not centrifuge. Do not freeze.

Storage/Transport Temp: Room temperature.

Rejection Criteria: Frozen specimens.

Stability: Whole blood: Buccal swabs:

Room temperature: 14 days
Refrigerated: Unacceptable
Frozen: Unacceptable
Room temperature: 30 days
Refrigerated: Unacceptable
Frozen: Unacceptable

Test Type Methodology

GENETIC Polymerase Chain Reaction-Reverse Sequence Specific

Oligonucleotide (PCR-rSSO)

Performance Laboratory Reference Lab Test Code

Versiti Wisconsin, Inc. (via Quest SJC)

Quest# 16775 | BCW# 2275



Human Epididymis Protein 4 (HE4)

SBMF# **45914**

Mnemonic CPT Code(s)

HE4- 86305

Specimen Information

Specimen: Serum or plasma

Container: Gold top (SST) or Light Green top (PST) tube.

Also acceptable: Red top (Serum), Green top (Lithium Heparin), or

Lavender top (EDTA) tube.

Requested Volume: 1 mL Minimum Volume: 0.5 mL

Collect: Standard phlebotomy procedure. Mix by inverting tube 8 times.

Specimen Processing: Allow serum specimen to clot completely at room temperature.

Centrifuge to separate from cells and transfer serum or plasma to a

screw-capped plastic transport tube.

Storage/Transport Temp: Frozen.

Rejection Criteria: Grossly hemolyzed specimens.

Stability: Room temperature: 5 hours

Refrigerated: 48 hours Frozen: 4 months

Also Known As

HE4, Human HE4 Antigen, Ovarian Cancer Monitoring

Test Type Methodology

TUMOR MARKER Quantitative Electrochemiluminescent Immunoassay (ECLIA)

Performance Laboratory Reference Lab Test Code



Islet Antigen-2 (IA-2) Autoantibody, Serum

47723

Mnemonic CPT Code(s)

IA-2 AB 86341

Specimen Information

Specimen: Serum

Container: Gold top (SST) or Red top (Serum) tube

Requested Volume: 0.5 mL Minimum Volume: 0.35 mL

Collect: Standard phlebotomy procedure. Mix by inverting tube 5 times.

Specimen Processing: Transfer serum to a screw-capped plastic transport tube.

Storage/Transport Temp: Refrigerated.

Rejection Criteria: Plasma. Specimens submitted in frozen Serum Separator Tubes (SST).

Grossly hemolyzed, icteric, or lipemic specimens.

Stability: After separation from cells:

Room temperature: 24 hours

Refrigerated: 1 week Frozen: 1 month

Also Known As

IA-2 Antibody

Test Type Methodology

IMMUNOLOGY Quantitative Enzyme-Linked Immunosorbent Assay (ELISA)

Performance Laboratory Reference Lab Test Code



KIT and PDGFRA Mutations, Melanoma

SBMF#

Mnemonic CPT Code(s)

KIT MELAN 81272: 81314: 88381

(MoIDX® Recommended CPT Code: 81479)

Medicare Coverage

Local Coverage Determination (LCD): MoIDX: Molecular Diagnostic Tests (MDT) (L36807)

Specimen Information

Patient Prep: NOTICE: Genetic tests are often subject to limited coverage and/or

prior-authorization requirements. Consult the patient's medical

insurance provider before ordering this test.

Tissue block and/or slides Specimen:

Tissue transport kit (ARUP supply #47808) Container: Resections: 8 unstained 5-micron slides. Requested Volume:

Small Biopsies: 15 unstained 5-micron slides.

Minimum Volume: Resections: 5 slides

Small Biopsies: 10 slides

Collect: Tumor tissue.

Specimen Processing: Formalin fix (10 percent neutral buffered formalin) and paraffin embed

> tissue. Diff-Quik and Papanicolaou stained cytology smears are also acceptable. Number of slides needed is dependent on the tumor

cellularity of the smear. Slide(s) will be destroyed during testing process and will not be returned to client. Protect from excessive heat. Transport block and/or slides in a tissue transport kit (ARUP supply #47808).

Room temperature. Also acceptable: Refrigerated. Ship in cooled

Storage/Transport Temp:

container during summer months.

Rejection Criteria: Less than 10 percent tumor. Specimens fixed/processed in heavy metal

fixatives. Decalcified specimens. FNA smears with less than 50 tumor

cells.

Remarks: Include surgical pathology report. Tissue block will be returned after

testina.

Room temperature: Indefinitely Stability:

> Refrigerated: Indefinitely Frozen: Unacceptable

Test Type Methodology

GENETIC Massively Parallel Sequencing

Reference Lab Test Code Performance Laboratory



Muscle-Specific Kinase (MuSK) Antibody, IgG

SBMF# **47724**

Mnemonic CPT Code(s)

MSK AB 83519

Specimen Information

Specimen: Serum

Container: Red top (Serum) or Gold top (SST) tube

Requested Volume: 2 mL Minimum Volume: 0.5 mL

Collect: Standard phlebotomy procedure. Mix by inverting tube 5 times.

Specimen Processing: Separate from cells ASAP or within 2 hours of collection. Transfer

serum to a screw-capped plastic transport tube.

Storage/Transport Temp: Refrigerated.

Rejection Criteria: Grossly lipemic, icteric, or hemolyzed specimens.

Stability: After separation from cells:

Room temperature: 48 hours Refrigerated: 2 weeks

Frozen: 1 month (avoid repeated freeze/thaw cycles)

Test Type Methodology

IMMUNOLOGY Quantitative Radioimmunoassay (RIA)

Performance Laboratory Reference Lab Test Code



Obstetric Panel (Includes HIV Ag/Ab) with Reflex

SBMF# **35852**

Mnemonic CPT Code(s)

OBHIV PNL 80081

Specimen Information

Specimen: Serum AND

Whole blood

Container: Three (3) Gold top (SST) tubes AND

Two (2) Lavender top (EDTA) tubes

Requested Volume: Collection tubes filled to the stated draw volume of the tube.

Collect: Standard phlebotomy procedure. Mix by inverting tubes 8 times.

Specimen Processing: Gold top (SST) tubes:

Allow specimens to clot completely at room temperature. Centrifuge to separate serum from cells. Transport properly centrifuged gel-barrier

tube specimens in the original collection tubes.

Lavender top (EDTA) tubes:

Transport whole blood in the original collection tubes.

Do not centrifuge. Do not freeze.

Storage/Transport Temp: Refrigerated.

Components

25517 CBC with Automated Differential

28183 Hepatitis B Virus Surface Antigen, with Reflex to HBsAg Neutralization

28272 HIV Antigen-Antibody Combo with Reflex to HIV-1/HIV-2 Ab Differentiation

28036 Rubella Antibody, IgG

28445 Rapid Plasma Reagin (RPR) Screen with Reflex to Syphilis Total Antibody and RPR Titer, Serum

28031 HDN Antibody Screen with Reflex to Antibody ID and Titer(s)

22000 ABO Blood Group and Rh Type

Note

Refer to catalog listing for each component test for complete information including run schedules, reflexive testing, alternate containers, minimum volumes, stability limits, and rejection criteria.

Also Known As

OB Panel with HIV; Obstetric Panel With Fourth-generation HIV

Test Type	
CARE SET	



Obstetric Panel with Reflex

SBMF# **35851**

Mnemonic CPT Code(s)

OB PANEL 80055

Specimen Information

Specimen: Serum AND

Whole blood

Container: Two (2) Gold top (SST) tubes AND

Two (2) Lavender top (EDTA) tubes

Requested Volume: Collection tubes filled to the stated draw volume of the tube.

Collect: Standard phlebotomy procedure. Mix by inverting tubes 8 times.

Specimen Processing: Gold top (SST) tubes:

Allow specimens to clot completely at room temperature. Centrifuge to separate serum from cells. Transport properly centrifuged gel-barrier

tube specimens in the original collection tubes.

Lavender top (EDTA) tubes:

Transport whole blood in the original collection tubes. Do not

centrifuge. Do not freeze.

Storage/Transport Temp: Refrigerated.

Components

25517 CBC with Automated Differential

28183 Hepatitis B Virus Surface Antigen, with Reflex to HBsAg Neutralization

28036 Rubella Antibody, IgG

28445 Rapid Plasma Reagin (RPR) Screen with Reflex to Syphilis Total Antibody and RPR Titer, Serum

Serum

28031 HDN Antibody Screen with Reflex to Antibody ID and Titer(s)

22000 ABO Blood Group and Rh Type

Note

Refer to catalog listing for each component test for complete information including run schedules, reflexive testing, alternate containers, minimum volumes, stability limits, and rejection criteria.

Also Known As		
OB Panel		
Test Type		
CARE SET		



OmegaCheck®, Whole Blood

SBMF# **43793**

Mnemonic CPT Code(s)

OMEGACHECK 82542

Medicare Coverage

Local Coverage Determination (LCD): MolDX: Biomarkers in Cardiovascular Risk Assessment (L36523)

Specimen Information

Patient Prep: Fasting is preferred but not required.

Specimen: Whole blood

Container: Lavender top (EDTA) tube

Requested Volume: 0.5 mL Minimum Volume: 0.1 mL

Collect: Standard phlebotomy procedure. Mix by inverting tube 8 times.

Specimen Processing: Transport whole blood in the original collection tube.

Do not centrifuge.

Storage/Transport Temp: Refrigerated.

Rejection Criteria: Specimens other than EDTA whole blood. Improper labeling. Samples

not stored properly. Samples older than stability limits. Lipemic

samples.

Stability: Room temperature: 10 weeks

Refrigerated: 10 weeks Frozen: Unacceptable

Components

EPA+DPA+DHA

Arachidonic Acid/EPA Ratio Omega-6/Omega-3 Ratio

Omega-3 Total

EPA DPA DHA

Omega-6 Total Arachidonic Acid Linoleic Acid

Also Known As

Omega 3 and 6 Fatty Acids

Test Type Methodology

CHEMISTRY Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS)

Performance Laboratory Reference Lab Test Code

Cleveland HeartLab, LLC (via Quest SJC)

Quest# 92701 | CHL# C302



Oxidized Low-density Lipoprotein

SBMF# **43787**

Mnemonic CPT Code(s)

OXLDL 83520

Specimen Information

Specimen: Plasma

Container: Lavender top (EDTA) tube

Alternate Specimen: Serum

Alternate Container: Gold top (SST) tube

Requested Volume: 0.5 mL Minimum Volume: 0.2 mL

Collect: Standard phlebotomy procedure. Mix by inverting tube 8 times.

Specimen Processing: Allow serum specimen to clot for 30 minutes at room temperature.

Centrifuge to separate serum or plasma from cells.

SST: Transport properly centrifuged gel-barrier tube specimen in the

original collection tube.

EDTA: Transfer plasma to a screw-capped plastic transport tube. Note

"EDTA Plasma" on the transport tube label.

Storage/Transport Temp: Refrigerated.

Rejection Criteria: Specimens other than EDTA plasma or serum. Improper labeling.

Samples not stored properly. Samples older than stability limits.

Stability: Room temperature: Unacceptable

Refrigerated: 7 days Frozen (-20°C): 28 days Frozen (-70°C): 6 months

Also Known As

Oxidized LDL; OxLDL

Test Type Methodology

LIPID Quantitative Enzyme Linked Immunosorbent Assay (ELISA)

Performance Laboratory Reference Lab Test Code

Cleveland HeartLab, LLC (via Quest SJC) Quest# 92769 | CHL# C335



Phosphatidylcholine Antibodies, IgG, IgM and IgA

SBMF# 45369

Mnemonic CPT Code(s)

PHOSCHOPAN 83520x3

Specimen Information

Specimen: Serum

Container: Gold top (SST) or Red top (Serum) tube

Requested Volume: 1 mL Minimum Volume:

> Collect: Standard phlebotomy procedure. Mix by inverting tube 5 times.

> > 83170N

Specimen Processing: Transfer serum to a screw-capped plastic transport tube.

Storage/Transport Temp: Refrigerated. Also acceptable: Frozen.

Stability: Room temperature: 1 hour

Refrigerated: 14 days Frozen: 60 days

Components

Phosphatidylcholine Ab (IgG) Phosphatidylcholine Ab (IgA) Phosphatidylcholine Ab (IgM)

Also Known As

aPC Antibodies

Test Type Methodology **IMMUNOLOGY** Immunoassay (IA)

Performance Laboratory

Reference Lab Test Code

Quest Diagnostics Nichols Institute, Valencia

(via Quest SJC)



Rapid Plasma Reagin (RPR) Screen with Reflex to Syphilis Total Antibody and RPR Titer, Serum

SBMF# **28445**

Mnemonic CPT Code(s)

RPRSC See reflexive testing algorithm

Medicare Coverage

Frequency Limitations

National Coverage Determination (NCD) for Screening for Sexually Transmitted Infections (STIs) and High-Intensity Behavioral Counseling (HIBC) to Prevent STIs (210.10)

Specimen Information

Specimen: Serum

Container: Gold top (SST) or Red top (Serum) tube

Requested Volume: 1 mL Minimum Volume: 0.5 mL

Collect: Standard phlebotomy procedure. Mix by inverting tube 5 times.

Specimen Processing: Allow specimen to clot completely at room temperature. Centrifuge and

separate serum from cells ASAP or within 2 hours of collection.

SST: Transport properly centrifuged gel-barrier tube specimen in the original

collection tube.

Red top: Transfer serum to a plastic transport tube.

Storage/Transport Temp: Refrigerated.

Rejection Criteria: Hemolyzed, contaminated, or lipemic specimens.

Stability: Refrigerated: 5 days

Frozen: Greater than 5 days (avoid repeated freeze/thaw cycles)

Components

Qualitative RPR by Immunoassay

Reflexive Testing

If RPR is non-reactive, no further testing is performed and CPT 0065U is billed.

If RPR is reactive, then Syphilis Total Antibody is added and CPT 0064U is billed.

If RPR and Syphilis Total Antibody are both reactive, then RPR titration (CPT 86593) is added.

28455 REFLEX: Syphilis Total Antibody, Serum

28448 REFLEX: RPR Titer, Serum

2028445 zz.BILLONLY: RPR by Immunoassay (CPT 0065U)

2128439 zz.BILLONLY: Syphilis Total Antibody and RPR by Immunoassay, Serum (CPT 0064U)

Also Known As

RPR Screen with Confirmation; Syphilis Screening Cascade; Syphilis Serology Cascade; T. pallidum; Traditional Syphilis Serology Testing Algorithm; Treponema pallidum

Test Type Methodology

INFECTIOUS ANTIBODY Multiplex Flow Immunoassay (MFI); Semi-Quantitative Charcoal

Flocculation

Performance Laboratory

.SBMF Chemistry and Immunoassays



Rapid Plasma Reagin (RPR) with Reflex to RPR Titer, Serum (Response to Therapy)

SBMF# **28446**

Mnemonic CPT Code(s)

RPRT 0065U

Specimen Information

Specimen: Serum

Container: Gold top (SST) or Red top (Serum) tube

Requested Volume: 1 mL Minimum Volume: 0.5 mL

Collect: Standard phlebotomy procedure. Mix by inverting tube 5 times.

Specimen Processing: Allow specimen to clot completely at room temperature. Centrifuge and

separate serum from cells ASAP or within 2 hours of collection. **SST:** Transport properly centrifuged gel-barrier tube specimen in the

original collection tube.

Red top: Transfer serum to a plastic transport tube.

Storage/Transport Temp: Refrigerated.

Rejection Criteria: Hemolyzed, contaminated, or severely lipemic specimens.

Stability: Refrigerated: 5 days

Frozen: Greater than 5 days (avoid repeated freeze/thaw cycles)

Components

Qualitative RPR by Immunoassay

Reflexive Testing

If RPR is non-reactive, no further testing is performed.

If RPR is reactive, then RPR titration (CPT 86593) is added.

28448 REFLEX: RPR Titer, Serum

Test Type Methodology

INFECTIOUS ANTIBODY Multiplex Flow Immunoassay (MFI); Semi-Quantitative Charcoal

Flocculation

Performance Laboratory

.SBMF Chemistry and Immunoassays



Rivaroxaban, Plasma

SBMF# **43786**

Mnemonic CPT Code(s)

RIVAR 80299

Specimen Information

Specimen Processing:

Patient Prep: Collect samples 2-4 hours post dose (peak)

Specimen: Platelet-poor plasma (PPP)

Container: Light Blue top (Sodium Citrate) tube

Requested Volume: 1 mL Minimum Volume: 0.5 mL

Collect: • NOTE: Traumatic puncture invalidates sample for coagulation studies

and necessitates recollection

• Observe proper collection order for coagulation tests; collect tubes for coagulation studies prior to collecting tubes containing clot activators,

additives, or anticoagulants

• Fill Light Blue top tubes to stated tube volume

• If coagulation study is only test ordered, collect 1-2 mL blood into tube

for discard, then collect Light Blue top coagulation study tube(s)
• If multiple coagulation studies are requested, submit additional

samples for each coagulation test

• Immediately after collection, mix by gently inverting tubes 3-4 times

Separate plasma from cells immediately

• Promptly centrifuge 15 minutes

• Carefully transfer plasma portion of sample to separate plastic tube

using plastic pipette

• NOTE: Platelet/Buffy coat layer of sample must be avoided

· Centrifuge transferred plasma sample again to produce platelet-poor

plasma (PPP)

• Use second plastic pipette to carefully transfer top portion of plasma

leaving approximately 250 mcL discard in bottom of tube

• Aliquot PPP into clearly labeled plastic tubes

• Immediately freeze PPP samples

Storage/Transport Temp: CRITICAL FROZEN: Separate specimens must be submitted when

multiple tests are ordered.

Rejection Criteria: Thawed specimen.

Stability: Room temperature: Unacceptable

Refrigerated: Unacceptable

Frozen: 28 days

Also Known As

Xarelto®

Test Type Methodology

COAGULATION Chromogenic

Performance Laboratory

Reference Lab Test Code

Quest Diagnostics Nichols Institute, Chantilly (via Quest SJC)



ROMA (Risk of Ovarian Malignancy Algorithm)

SBMF# **43639**

Mnemonic	CPT Code(s)
ROMA.	81500

7.000

Medicare Coverage

National Coverage Determination (NCD) for Tumor Antigen by Immunoassay - CA 125 (190.28)

Specimen Information

Specimen: Serum or plasma

Container: Gold top (SST) or Red top (Serum) tube. Also acceptable: Green top

(Sodium Heparin), Green top (Lithium Heparin), Lavender top (EDTA),

or Pink top (K2EDTA) tube.

Requested Volume: 1.5 mL Minimum Volume: 1 mL

Collect: Standard phlebotomy procedure. Mix by inverting tube 8 times. Specimen Processing: Allow serum specimen to clot completely at room temperature.

Centrifuge to separate from cells and transfer serum or plasma to a

screw-capped plastic transport tube.

Storage/Transport Temp: Frozen.

Rejection Criteria: Hemolyzed specimens.

Stability: Room temperature: 5 hours

Refrigerated: 48 hours Frozen: 4 months

Components

CA125 HE4 ROMA

Also Known As

Ovarian Malignancy Risk (ROMA®)

Test Type Methodology

TUMOR MARKER Quantitative Electrochemiluminescent Immunoassay (ECLIA)

Performance Laboratory Reference Lab Test Code



Small Dense Low-density Lipoprotein

SBMF# **43791**

Mnemonic CPT Code(s)

SDLDL 83722

Medicare Coverage

Local Coverage Determination (LCD): MolDX: Biomarkers in Cardiovascular Risk Assessment (L36523)

Specimen Information

Patient Prep: Fasting may be required for this test. Please ask your doctor if you

should fast prior to testing.

Specimen: Serum

Container: Gold top (SST) tube

Requested Volume: 0.5 mL Minimum Volume: 0.2 mL

Collect: Standard phlebotomy procedure. Mix by inverting tube 5 times.

NOTE: At leaset 3 mL of blood should be drawn.

Specimen Processing: Allow specimen to clot for 30 minutes at room temperature. Centrifuge

to separate serum from cells.

Transport properly centrifuged gel-barrier tube specimen in the original

collection tube.

Storage/Transport Temp: Refrigerated.

Rejection Criteria: Specimens other than serum. Improper labeling. Samples not stored

properly. Samples older than stability limits.

Remarks: Drawing less than 3 ml of blood in a Gold top serum separator tube

(SST) may cause erroneous results.

Stability: Room temperature: Unacceptable

Refrigerated: 5 days Frozen: Unacceptable

Also Known As

sd-LDL; sdLDL; Small Dense LDL

Test Type Methodology

LIPID Quantitative Immunoturbidimetric

Performance Laboratory Reference Lab Test Code

Cleveland HeartLab, LLC (via Quest SJC)

Quest# 36406 | CHL# 1341



Syphilis Total Antibody with Reflex to RPR and TP-PA. Serum

28439

Mnemonic CPT Code(s)

SYPHTC See reflexive testing algorithm

Medicare Coverage

Frequency Limitations

National Coverage Determination (NCD) for Screening for Sexually Transmitted Infections (STIs) and High-Intensity Behavioral Counseling (HIBC) to Prevent STIs (210.10)

Specimen Information

Specimen: Serum

Container: Gold top (SST) or Red top (Serum) tube

Requested Volume: 1 mL Minimum Volume: 0.5 mL

Collect: Standard phlebotomy procedure. Mix by inverting tube 5 times.

Specimen Processing: Allow specimen to clot completely at room temperature. Centrifuge and

separate serum from cells ASAP or within 2 hours of collection.

SST: Transport properly centrifuged gel-barrier tube specimen in the original

collection tube.

Red top: Transfer serum to a plastic transport tube.

Storage/Transport Temp: Refrigerated.

Rejection Criteria: Hemolyzed, contaminated, or lipemic specimens.

Stability: Refrigerated: 5 days

Frozen: Greater than 5 days (avoid repeated freeze/thaw cycles)

Components

Syphilis Total Antibody

Reflexive Testing

If Syphilis Total Antibody is non-reactive or equivocal, no further testing is performed and CPT 86780 is billed.

If Syphilis Total Antibody is reactive, then qualitative RPR by immunoassay is added and CPT 0064U is billed.

If RPR is reactive, then RPR titration (CPT 86593) is added.

If RPR is non-reactive, then T. pallidum antibody by particle agglutination (CPT 86780-59) is added.

28447 REFLEX: Rapid Plasma Reagin (RPR), Qualitative, by Immunoassay, Serum

28448 REFLEX: RPR Titer, Serum

28449 REFLEX: Treponema pallidum Antibody, TP-PA, Serum

2028439 zz.BILLONLY: Syphilis Total Antibody, Serum (CPT 86780)

2128439 zz.BILLONLY: Syphilis Total Antibody and RPR by Immunoassay, Serum (CPT 0064U)

Also Known As

Reverse Syphilis Serology Testing Algorithm; Syphilis Antibody Cascading Reflex; Syphilis Screening Cascade; Syphilis Serology Cascade; T. pallidum; Treponema pallidum

Test Type Methodology

INFECTIOUS ANTIBODY Multiplex Flow Immunoassay (MFI); Semi-Quantitative Charcoal

Flocculation; Qualitative Particle Agglutination

Performance Laboratory

.SBMF Chemistry and Immunoassays



Thiopurine Methyltransferase (TPMT) and Nudix Hydrolase (NUDT15) Genotyping

SBMF# **47728**

Mnemonic CPT Code(s)

TPMT2 81306; 81335

(MoIDX® Recommended CPT Code: Pending)

Medicare Coverage

Local Coverage Determination (LCD): Molecular Diagnostic Testing (L36807)

Specimen Information

Patient Prep: NOTICE: Genetic tests are often subject to limited coverage and/or

prior-authorization requirements. Consult the patient's medical

insurance provider before ordering this test.
Counseling and informed consent are recommend

Specimen: Whole blood

Container: Lavender top (EDTA), Pink top (K2EDTA), or Yellow top (ACD Solution

A or B) tube

Alternate Specimen: Saliva

Alternate Container: OCD-100 Saliva Collection Device by DNA Genotek (ARUP Supply

#49295)

Requested Volume: Whole blood: 3 mL

Saliva: One collection device

Minimum Volume: 1 mL

Collect: Whole blood: Standard phlebotomy procedure. Mix by inverting tube 8

times.

Saliva: Follow instructions in collection kit.

Specimen Processing: Transport whole blood in the original collection tube.

Do not centrifuge.

OR Transport the Saliva Collection Device.

Storage/Transport Whole blood: Refrigerated.

Temp: **Saliva:** Room temperature.

Rejection Criteria: Plasma or serum. Specimens collected in sodium heparin or lithium

heparin.

Stability: Whole blood: Saliva:

Room temperature: 72 hours
Refrigerated: 1 week
Frozen: 1 month
Room temperature: 2 weeks
Refrigerated: Unacceptable
Frozen: Unacceptable

Also Known As

TPMT and NUDT15

Test Type Methodology

GENETIC Polymerase Chain Reaction (PCR); Fluorescence Monitoring

Performance Laboratory Reference Lab Test Code



TMAO (Trimethylamine N-oxide)

SBMF# **43788**

Mnemonic CPT Code(s)

TMAO 82542

Specimen Information

Patient Prep: Patients should fast overnight and refrain from consuming fish or other

seafood the day before the blood draw to avoid false elevations in

TMAO.

Specimen: Serum

Container: Gold top (SST) tube

Requested Volume: 1 mL Minimum Volume: 0.5 mL

Collect: Standard phlebotomy procedure. Mix by inverting tube 5 times.

Specimen Processing: Allow specimen to clot for 30 minutes at room temperature. Centrifuge

to separate serum from cells.

Transport properly centrifuged gel-barrier tube specimen in the original

collection tube.

Storage/Transport Temp: Refrigerated.

Rejection Criteria: Specimens other than serum. Improper labeling. Samples not stored

properly. Samples older than stability limits. Hemolyzed specimens.

Stability: Room temperature: 1 day

Refrigerated: 7 days Frozen (-20°C): 193 days Frozen (-70°C): 193 days

Also Known As

Tri N-Oxide

Test Type Methodology

CHEMISTRY Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS)

Performance Laboratory Reference Lab Test Code

Cleveland HeartLab, LLC (via Quest SJC) Quest# 94154 | CHL# C524



Tryptase, Mature and Total

SBMF# **43784**

Mnemonic CPT Code(s)

TRYP MT 83520

Specimen Information

Patient Prep: For anaphylaxis, specimen should preferably be collected between 15

minutes and four hours after the suspected event causing mast cell activation. For mastocytosis, specimen should be collected during a

non-acute time period.

Specimen: Serum

Container: Red top (Serum) tube

Alternate Specimen: Plasma

Alternate Container: Lavender top (EDTA), Royal Blue top (EDTA; Trace element-free), Gray

top (Potassium Oxalate/Sodium Fluoride), Green top (Sodium Heparin),

Blue top (Sodium Citrate), or Yellow top (ACD Solution B) tube

Quest# 10497N

Requested Volume: 3 mL Minimum Volume: 1 mL

Collect: Standard phlebotomy procedure. Mix by inverting tube 8 times.

Specimen Processing: Promptly centrifuge 15 minutes. Immediately transfer serum or plasma

to a screw-capped plastic transport tube and freeze.

Storage/Transport Temp: CRITICAL FROZEN: Separate specimens must be submitted when

multiple tests are ordered.

Rejection Criteria: Specimens in glass containers.

Stability: Room temperature: Unacceptable

Refrigerated: Unacceptable

Frozen: 6 months

Components

Mature Tryptase
UniCAP Total Tryptase

Also Known As

Autopsy Tryptase; B-Tryptase; Beta-Tryptase; Mature and Total Tryptase

Test Type Methodology

IMMUNOLOGY Quantitative Enzyme-Linked Immunosorbent Assay (ELISA)

Performance Laboratory Reference Lab Test Code

Virginia Commonwealth University Health System, Dr. Lawrence B. Schwartz's Lab (via

Quest SJC)



Warfarin Sensitivity (CYP2C8, CYP2C9, CYP4F2, VKORC1) Genotyping

SBMF# **47729**

Mnemonic CPT Code(s)

WARF PAN 81227; 81355

(MoIDX® Recommended CPT Code: Pending)

Medicare Coverage

Local Coverage Determination (LCD): Genetic Testing for CYP2C19, CYP2D6, CYP2C9, and VKORC1

(L36398)

National Coverage Determination (NCD) for Pharmacogenomic Testing for Warfarin Response (90.1)

Specimen Information

Patient Prep: NOTICE: Genetic tests are often subject to limited coverage and/or

prior-authorization requirements. Consult the patient's medical

insurance provider before ordering this test.
Counseling and informed consent are recommend

Specimen: Whole blood

Container: Lavender top (EDTA), Pink top (K2EDTA), or Yellow top (ACD Solution

A or B) tube

Alternate Specimen: Saliva

Alternate Container: OCD-100 Saliva Collection Device by DNA Genotek (ARUP Supply

#49295)

Requested Volume: Whole blood: 3 mL

Saliva: One collection device

Minimum Volume: 1 mL

Collect: Whole blood: Standard phlebotomy procedure. Mix by inverting tube 8

times.

Saliva: Follow instructions in collection kit.

Specimen Processing: Transport whole blood in the original collection tube. **Do not centrifuge.**

OR Transport the Saliva Collection Device.

Storage/Transport Whole blood: Refrigerated.

Temp: Saliva: Room temperature.

Rejection Criteria: Plasma or serum. Specimens collected in sodium heparin or lithium

heparin.

Stability: Whole blood: Saliva:

Room temperature: 72 hours
Refrigerated: 1 week
Refrigerated: 1 month
Room temperature: 2 weeks
Refrigerated: Unacceptable
Frozen: 1 month
Frozen: Unacceptable

Test Type Methodology

GENETIC Polymerase Chain Reaction (PCR); Fluorescence Monitoring

Performance Laboratory Reference Lab Test Code