

Multiple Component, Reflex, Confirmatory and Accepted Clinical Practice Tests

Department of Pathology and Laboratory Medicine 2019

Texas Health Medical Laboratory / Texas Health Harris Methodist Fort Worth Hospital / Texas Health Specialty Hospital / Texas Health Burleson/
Texas Health Willow Park

The Centers for Medicare and Medicaid Services (CMS) will reimburse only for tests that meet the Medicare coverage criteria and are reasonable and necessary to treat or diagnose an individual patient. Tests ordered, including components of organ and disease related panels, will be billed and paid when all components are medically necessary per CMS criteria. The United States Department of Health & Human Services, Office of Inspector General, takes the position that an individual who knowingly causes a false claim to be submitted may be subject to sanctions or remedies available under civil, criminal and administrative law.

A valid order must document the diagnosis and/or symptoms that support the clinical reason for the diagnostic test. This can include the ICD code, but must include the narrative diagnosis. Failure to provide proper documentation on the requisition form may result in the denial of claims.

Medicare Coverage Database (MCD), which includes National Coverage Determinations (NCD) and Local Coverage Determinations (LCD) can be accessed at <http://www.cms.hhs.gov/mcd/overview.asp>

The following information is intended to inform the Medical Staff of routine practices in the Department of Pathology and Laboratory Medicine based on physician orders for laboratory testing. The tables document the following:

- Test orders that require multiple subparts for completion {for example, an order for IgG subclasses by definition converts into an order for quantitation of IgG 1; IgG 2; IgG 3; and IgG 4 with the appropriate charge for each subclass of IgG}.
- Tests that require multiple additional tests to be performed to achieve the ordered results {for example, urine drug screen consists of individual tests for benzodiazepines; cocaine; amphetamine; cannabinoids; opiates; and barbiturates}.
- Tests results which indicate additional testing is required {for example, an order for a urine culture may result in the identification of one or more organisms with susceptibilities as indicated}.

Additional information may also be obtained from the THFW homepage select "THFW Lab Test Catalog".

The attached document is divided into the following sections:

I. Multiple Component Tests

This section delineates tests that contain multiple component tests as determined by a single order in that one test ordered by the physician results in the performance of multiple tests with associated codes and charges.

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II. Reflex, Confirmatory and/or Accepted Clinical Practice Testing

This section delineates tests that may be added to the original order based on initial laboratory findings without an additional physician order.

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Section I. Multiple Component Tests

The following section delineates tests that contain multiple component tests as determined by a single order; - that is, one test order by the physician results in multiple tests being performed with associated codes/charges.

Tests Referred to Outside Laboratories (Multiple Component Tests)

Test Ordered	Component Parts	CPT
Acetylcholine Receptor Antibody Panel	Acetylcholine Receptor Binding Antibody	83519
	Acetylcholine Receptor Blocking Antibody	83516
	Acetylcholine Receptor Modulating Antibody	83516
Adenovirus Antibodies	Adenovirus Antibodies, IgG	86603
	Adenovirus Antibodies, IgM	86603
AFP Maternal Screen 3	AFP	82105
	hCG	84702
	Estriol	82677
If ED Qualitative pregnancy is positive reflex to quantitative B-HCG	Quantitative B-HCG.	84075
Alpha-1-Antitrypsin Phenotype	Alpha-1-antitrypsin, total	82103
	Alpha-1-antitrypsin, phenotype	82104
Amiodarone & Metabolite	Amiodarone	80299
	Desethylamiodarone	80299
Amylase, Isoenzymes	Amylase, total	82150
	Amylase, pancreatic	82150
Aspergillus Antibody	Aspergillus Antibody (CF)	86606
	PTH baseline, PTH 10 min, and PTH 20min	83970
	Aspergillus Antibody (ID)	86606
Bartonella henselae (Cat Scratch) Antibodies, IgG & IgM by IFA	Bartonella henselae IgG	86611
	Bartonella henselae IgM	86611
Beta-2 Glycoprotein 1 Antibodies, IgG & IgM	Beta-2 Glycoprotein I, IgG	86146
	Beta-2 Glycoprotein I, IgM	86146
Blastomyces Antibody	Blastomyces Antibody (CF)	86612
	Blastomyces Antibody (ID)	86612
Bordetella Pertussis Abs	Bordetella pertussis Antibody, IgG *	86615
	Bordetella pertussis Antibody, IgM *	86615
Carbamazepine Free and Total	Carbamazepine	80156
	FVL Isolation - Reflex if APC Resistance is 1.9-2.3	80157
Cardiolipin Antibodies	Cardiolipin IgG	86147
	Cardiolipin IgM	86147
Carisoprodal and Meprobamate	Carisoprodal	80299
	Meprobamate	83805

Test Ordered	Component Parts	CPT
CD4 and Absolute	First marker	88184
	Additional Marker	88185

Test Ordered	Component Parts	CPT
Chlamydia Antibody Panel, IgG and IgM	C. pneumoniae, IgG	86631
	C. trachomatis, IgG	86631
	C. psittaci, IgG	86631
	C. pneumoniae, IgM	86632
	C. trachomatis, IgM	86632
	C. psittaci, IgM	86632
Chromosome Analysis, Amniotic Fluid (AF)	AF Chromosome Analysis	88267
	AF Additional Karyotype	88280
Chromosome Bone Marrow Study	Chromosome Culture, Bone Marrow	88237
	Chromosome Analysis	88262
Chromosome Study Whole Blood	Chromosome Culture, with blood	88230
	Chromosome Analysis	88262
CK Isoenzymes	CK Total	82550
	CK Iso	82552
Clomipramine & Metabolite	Clomipramine	80299
	Desmethylclomipramine	80299
CMV Antibody IgG & IgM	CMV Antibody IgG	86644
	CMV Antibody IgM	86645
Coccidioides Antibody, CSF	Coccidioides CF	86635
	Coccidioides IgG	86635
	Coccidioides IgM	86635
	Coccidioides ID	86635
Coccidioides Antibodies Panel, Serum by CF, ID, ELISA	Cocci Ab (CF)	86635
	Cocci Ab (ID)	86635
	Cocci Ab, IgG (EIA)	86635
	Cocci Ab, IgM (EIA)	86635
Coxsackie B Viral Antibody	Coxsackie B1 Antibody	86658
	Coxsackie B3 Antibody	86658
	Coxsackie B5 Antibody	86658
	Coxsackie B2 Antibody	86658
	Coxsackie B4 Antibody	86658
	Coxsackie B6 Antibody	86658
Chlamydia trachomatis Culture (ARUP)	Culture	87110
	Stain	87140
Viral Culture and CMV Culture (ARUP)	Viral culture	87252
	Shell vial	87254
Dengue Fever Virus Antibodies	Dengue fever IgG	86790
	Dengue fever IgM	86790
Drug Screen Qual, Serum	Mult Drug Class, Serum x 3	G0479

Test Ordered	Component Parts	CPT
Drug Screen Qual, Urine	Multi Drug Class, Urine x 3	G0479
Drug Screen, Meconium	Stool, Amphetamines	G0480
	Stool, Cocaine	G0480
	Stool, Opiates	G0480
	Stool, PCP	G0480
	Stool, Methadone	G0480
	Stool, Benzodiazpines	G0480
	Stool, Barbiturates	G0480
	Stool, Propoxyphene	G0480
	Stool, THC	G0480
	Echo Virus Antibody Titer	Echovirus Type 6
Echovirus Type 7		86658
Echovirus Type 9		86658
Echovirus Type 11		86658
Echovirus Type 30		86658
Ehrlichia chaffeensis Antibodies IgG & IgM by IFA	Ehrlichia chaffeensis IgG	86666
	Ehrlichia chaffeensis IgM	86666
Epstein-Barr (EBV) Antibody Panel	EBV IgG-VCA	86665
	EBV Anti-nuclear antigen	86664
	EBV IgM-VCA	86665
	EBV Anti-early antigen	86663
Extractable Nuclear Antigen Antibodies (RNP, Smith, Scleroderma, SSA, & SSB)	SSA (Ro) (ENA) Antibody, IgG	86235
	SSB (La) (ENA) Antibody, IgG	86235
	RNP (U1) (Ribonucleic Protein) (ENA) Antibody, IgG	86235
	Scleroderma (Scl-70) (ENA) Antibody, IgG	86235
	Smith (ENA) Antibody, IgG	86235
Factor V Leiden {FVL}, molecular dx	FVL Isolation	83890
	FVL Amplification	83898
	FVL Probe, Each x 2	83896 x 2
Fluoxetine & Metabolite	Fluoxetine	80299
	Norfluoxetine	80299
Fungal Antibodies	Coccidioides Antibody	86635
	Blastomyces Antibody	86612
	Histoplasma Antibody	86698
	Aspergillus Antibody	86606
Gliadin Antibody	Gliadin Antibodies, IgG	83516

Test Ordered	Component Parts	CPT
Glomerular Basement Membrane Antibodies, IgA & IgG (IFA)	Gliadin Antibodies, IgA	83516
	Glomerular Basement Membrane Antibody, IgA (IFA)	86255
	Glomerular Basement Membrane Antibody, IgG (IFA)	86255

Test Ordered	Component Parts	CPT
Glomerular Basement Membrane Antibody Panel	Glomerular Basement Membrane Antibody, IgA (IFA)	86255
	IgG (IFA)	86255
	Glomerular Basement Membrane Antibody, IgG by Multi-Analyte Fluorescent Detection	83516
Helicobacter Pylori Antibody	H. pylori Antibody, IgG	86677
	H. pylori Antibody, IgA	86677
Hepatitis A Virus Panel	Hepatitis A Virus Antibodies (Total)	86708
	Hepatitis A Virus Antibody, IgM	86709
Histoplasma Antibodies by CF & ID	Histoplasma Antibody (ID)	86698
	Histoplasma Antibody (CF) Mycelia	86698
	Histoplasma Antibody (CF) Yeast	86698
Herpes Simplex Virus Type 1 and/or 2 Antibodies, IgG & IgM	HSV I II IgG	86694
	HSV I II IgM	86694
Hypersensitivity Pneumonitis II	Aspergillus flavus	86606
	Aspergillus fumigatus #2	86606
	Aspergillus fumigatus #3	86606
	Saccharomonospora viridis	86331
	Thermoactinomyces candidus	86331
	Thermoactinomyces sacchari	86331
Hypersensitivity Pneumonitis I	Aspergillus fumigatus #1	86606
	Aspergillus fumigatus #6	86606
	Aureobasidium pullulans	86331
	Pigeon serum	86331
	Micropolyspora faeni	86331
	Thermoactinomyces vulgaris #1	86331
IgG Subclasses, (1, 2, 3, 4)	IgG Subclass 1	82787
	IgG Subclass 2	82787
	IgG Subclass 3	82787
	IgG Subclass 4	82787
Immunofixation Electrophoresis (IFE) Monoclonal Protein Detection Quantitation & Characterization SPE, IFE, IgA, IgG, IgM	IgG	82784
	IgM	82784
	IgA	82784
	Electrophoretic fractionation & quantitation	84165
	Immunofixation electrophoretic	86334
	Total protein by refractometer	84160
IFE Qn - Bence Jones Protein, Quantitative Free Kappa & Lambda Light Chains, Total protein		84156

Test Ordered	Component Parts	CPT
Urine	IFE	86335
	Nephelometry,kappa	83883
	Nephelometry,lambda	83883

Test Ordered	Component Parts	CPT
Influenza Virus Antibodies	Influenza A Antibody IgG	86710
	Influenza B Antibody IgG	86710
	Influenza A Antibody IgM	86710
	Influenza B Antibody IgM	86710
Immunoglobulins, Serum Quantitative	Immunoglobulin A, Serum	82784
	Immunoglobulin G, Serum	82784
	Immunoglobulin M, Serum	82784
Immunoglobulins, CSF Quantitative	Immunoglobulin A, CSF	82784
	Immunoglobulin G, CSF	82784
	Immunoglobulin M, CSF	82784
Lactate dehydrogenase {LD} Isoenzymes	Total LD	83615
	LD Isoenzyme	83625
Diazepam & Metabolite	Diazepam	80154
	Nordiazepam	80154
Lymphocyte Subset Panel	CD4 Absolute	88184
	CD3	88185
	CD4	88185
	CD8	88185
Lymphocyte Transplantation CD3	CD3	88184
	Additional Marker	88185
Lymphocyte Mitogen Proliferation		86353 x5
Lymphocyte Subset Panel 7 - Congenital Immunodeficiencies	Initial Marker	88184
	Additional Marker	88185 x 9
Heavy Metals Panel 3, Blood	Arsenic	82175
	Lead	83655
	Mercury	83825
Heavy Metals Panel 3, Urine	Arsenic	82175
	Lead	83655
	Mercury	83825
Methsuximide & Normethsuximide	Methsuximide	83858
	Normethsuximide	80299
Microalbumin; urine	Creatinine	82570
	Microalbumin	82043
Mycoplasma Antibody	Mycoplasma Antibody, IgG	86738
	Mycoplasma Antibody, IgM	86738
Ova and Parasite, Feces	Ova and Parasite	87177
	Trichrome Stain	87209
Parvovirus B19 Antibody, IgG & IgM	Parvovirus B19 IgG	86747
	Parvovirus B19 IgM	86747

Test Ordered	Component Parts	CPT
Phenytoin, Total & Free	Dilantin	80185
	Phenytoin, Free	80186
Platelet Antibody; Direct Assay	IgG	86023
	IgM	86023
Protein Electrophoresis	Total Protein	84155
	Electrophoretic fractionation & quantitation	84165
Protein Electrophoresis; CSF	Total Protein	84157
	Electrophoretic fractionation & quantitation	84166
PSA Free	PSA total	84153
	PSA free	84154
Q-Fever Antibodies	Q-Fever Antibody Phase I	86638
	Q-Fever Antibody Phase II	86638
Respiratory Syncytial Virus Antibodies, IgG & IgM	Respiratory Syncytial Virus Antibodies, IgG	86756
	Respiratory Syncytial Virus Antibodies, IgM	86756
Rocky Mountain Spotted Fever	RMSF Antibody, IgG	86757
	RMSF Antibody, IgM	86757
Rubella Antibodies, IgG & IgM	Rubella Antibodies, IgG	86317
	Rubella Antibodies, IgM	86762
Rubeola Antibodies	Rubeola Antibody, IgG	86765
	Rubeola Antibody, IgM	86765
Saccharomyces cerevisiae Antibodies, IgG & IgA	Saccharomyces cerevisiae Antibodies, IgG	86671
	Saccharomyces cerevisiae Antibodies, IgA	86671
Testosterone, Free & Total (Includes SHBG)	Testosterone, Total	84403
	SHBG	84270
Testosterone, Free & Total Female Child (Includes SHBG)	Testosterone, Total	84403
	SHBG	84270
Thyroglobulin	Thyroglobulin	84432
	Thyroglobulin Antibody	86800
Thyroid Antibody Group	Thyroid Peroxidase Antibody	86376
	Thyroglobulin Antibody	86800
Torch (IgG)	Torch Toxo, IgG	86317
	Torch Rubella, IgG	86317
	Torch CMV, IgG	86644
	Torch HSV I/II IgG	86694

Test Ordered	Component Parts	CPT
Torch (IgM)	Torch Toxo, IgM	86778
	Torch Rubella, IgM	86762
	Torch CMV, IgM	86645
	Torch HSV I/II IgM	86694
Toxoplasma Antibody	Toxoplasma IgG	86317
	Toxoplasma IgM	86778

Test Ordered	Component Parts	CPT
Typhus	Typhus IgG	86757
	Typhus IgM	86757
Varicella Zoster Antibody	V. Zoster IgG	86787
	V. Zoster IgM	86787
VMA & HVA; urine	VMA - Vanillylmandelic acid	84585
	HVA - Homovanillic acid	83150
von Willebrand Panel	Factor V III	85240
	von Willebrand Factor Ag	85246
	von Willebrand Factor Activity	85245
West Nile Virus Abs, IgG & IgM by ELISA, Serum	West Nile Virus Antibodies, IgG	86789
	West Nile Virus Antibodies, IgM	86788
West Nile Virus Abs, IgG & IgM by ELISA, CSF	West Nile Virus Antibodies, IgG, CSF	86789
	West Nile Virus Antibodies, IgM, CSF	86788
Anti-Nuclear Antibody (ANA)	If negative, charge for (ANA) Antinuclear Antibody (86038).	
	If positive, reflex to (ANA) Antinuclear Antibody; titer (86039).	
Celiac Disease Panel	82784 IgA; if < 7 mg/dL, add 83516 tTG IgG; if negative and patient is < 3 years of age, add 83516 x2 Gliadin IgG & IgA. If IgA is > 7, add 83516 tTG IgA; if negative and patient is < 3 years of age, add 83516 x2 Gliadin IgG & IgA	
Cocaine & Benzoyllecgonine	If negative, charge for single drug class method, each drug class (80101).	
	If positive, reflex to drug confirmation, each procedure (80102).	
Drug Screen, Meconium	CPT Code for drug confirmed: 82542 Marijuana; 82520 Cocaine; 83925 Opiates; 83992 Phencyclidine; 82145 Amphetamines; 82205 Barbituates; 83840 Methadone; 80154 Benzodiazepines; 83925	

Test Ordered	Component Parts	CPT
Endomysial Antibody	<p>If negative, bill for immunoassay for analyte other than infectious antibody or infectious agent antigen, qualitative or semiquantitative; multiple step method (83516).</p>	
	<p>If positive, reflex to fluorescent noninfectious agent antibody; screen, each antibody (86256).</p>	

Test Ordered	Component Parts	CPT
Factor VIII Activity with Reflex to Bethesda Quantitative, Factor VIII	85240 Factor VIII; if reflexed, add 85335 Bethesda Quantitative	
Factor IX Activity with Reflex to Bethesda Quantitative, Factor IX	85250; if reflexed, add 85335 Bethesda quantitative	
Hemoglobin Evaluation with Reflex to Electrophoresis and/or RBC Solubility	Hemoglobin fractionation and quantitation; chromatography (83021). 83021 Chromatography; 83020 Electrophoresis and/or 85660 Sickling of RBC, reduction	
Heterophile Antibody by Latex Agglutination with Reflex to Titer	86308 Heterophile antibody; if reflexed, add 86309 Heterophile titer	
Human Immunodeficiency Virus 1,2 Combined Antibodies with Reflex to HIV-1 Confirmation by Western Blot	86703 HIV-1, 2; if reflexed, add 86689 HIV-1 confirmation	
Human Immunodeficiency Virus 2 Antibody, with Reflex to Confirmation	86702 HIV2; if reflexed add 86689 HIV IFA	
HTLV-1/2 Antibody	If negative, charge antibody; virus, not elsewhere specified (86790). If reactive, reflex to HTLV or HIV antibody, confirmatory test (eg, Western Blot) (86689).	
Human Immunodeficiency Virus (HIV) Phenotype Comprehensive	87903 first ten drugs; 87904 x1 each additional drug	
Methaqualone	If negative, charge drug screen, qualitative; single drug class method (eg, immunoassay, enzyme assay), each drug class (80101). If positive, reflex to column chromatography/mass spectrometry; quantitative, single stationary and mobile phase (82542).	
LSD, Serum or Plasma	80101 Drug screen; 83789 if confirmed	
LSD, Urine	80101 Drug screen; 82542 if confirmed	
Myocardial Antibody	If negative, charge fluorescent noninfectious agent antibody screen, each antibody (86255) If positive, reflex to fluorescent noninfectious agent antibody titer, each antibody (86256).	

Test Ordered	Component Parts	CPT
Neutrophil cytoplasm Antibody {ANCA}; IgG	If negative, charge fluorescent noninfectious agent antibody screen, each antibody (86255)	
	If positive, reflex to fluorescent noninfectious agent antibody titer, each antibody (86256).	
Neuronal Nuclear Antibody (ANNA) IgG by IFA with Reflex to Titer & Immunoblot, Serum	86255 ANNA; if reflexed, add 86256 ANNA titer and 83516 Immunoblot	
Purkinje Cell Cytoplasmic Antibody by IFA with Reflex to Titer & Immunoblot	86255; if reflexed, add 86256 Titer; 83516 Immunoblot	
Reptilase Time with Reflex to Reptilase Time 1:1 Mix	85635 Reptilase time; if reflexed add 85635 Reptilase time 1:1 mix	
F-Actin (Smooth Muscle) Antibody, IgG by ELISA with Reflex to Smooth Muscle Antibody, IgG Titer	83516 Actin IgG; if reflexed, add 86256 ASMR Titer	
Striated Muscle Antibody, IgG with Reflex to Titer	86255 Striated muscle; if reflexed, add 86256 Striated muscle titer	
VDRL, CSF	If non-reactive, charge for Treponema pallidum screen; (86592).	
	If reactive, reflex to Treponema pallidum titer (86593).	

Section I: Multiple Component Tests Microbiology

The following section delineates tests that contain multiple component tests as determined by a single order. That is, one test order by the physician results in multiple tests being performed with associated codes/charges.

Test Ordered	Component Parts	CPT
Typing, Salmonella	Salmonella, Method A	87147
	Salmonella, Method B	87147
	Salmonella, Method C	87147
	Salmonella, Method D	87147
	Salmonella, Method E	87147
	Salmonella, Method G	87147
	Typing, Shigella	Shigella, Method A
Shigella, Method B		87147
Shigella, Method C		87147
Shigella, Method A-D		87147
Typing, Streptococcus	Typing, Strep Group A	87147
	Typing, Strep Group B	87147
	Typing, Strep Group C	87147
	Typing, Strep Group F	87147
	Typing, Strep Group G	87147

Parathyroid Hormone (PTH)

PTH baseline, PTH 10 min, and PTH 20min

83970

Section I. Multiple Component Tests Immunology

The following section delineates tests that contain multiple component tests as determined by a single order. That is, one test order by the physician results in multiple tests being performed with associated codes/charges.

Test that may be added on to order based on	CPT	Reflex Test	CPT
Treponemal IgG - Reflex to RPR Titer	86780	Titer 330023033	86593
Cryptococcal Antigen - Reflex to Titer	86403	Titer 330058112	86406
Cryptococcal Antigen CSF - Reflex to Titer	86403	Titer 330057382	86406

If ED Qualitative pregnancy is positive reflex to quantitative B-HCG

Quantitative B-HCG.

Parathyroid Hormone (PTH)

PTH baseline, PTH 10 min,
and PTH 20min

83970

Section I. Multiple Component Tests

The following section delineates tests that contain multiple component tests as determined by a single order. That is, one test order by the physician results in multiple tests being performed with associated codes/charges.

AMA Organ Panels

Tests may be ordered individually based on Medical Necessity.

Panel Ordered	CPT for Panel	Component Parts	CPT for individual test
Acute Hepatitis Panel	80074	Hepatitis B Surface Antigen (HBsAg)	87340
		Hepatitis B Core Antibody (HBcAb), IgM	86705
		Hepatitis C Antibody	86803
		Hepatitis A Antibody (HAAb), IgM Antibody	86709
Basic Metabolic Panel (BMP)	80048	Glucose	82947
		Blood Urea Nitrogen	84520
		Creatinine	82565
		Sodium	84295
		Potassium	84132
		Chloride	82435
		Carbon Dioxide (CO2)	82374
		Calcium	82310
Comprehensive Metabolic Panel (CMP)	80053	Glucose	82947
		Blood Urea Nitrogen	84520
		Creatinine	82565
		Sodium	84295
		Potassium	84132
		Chloride	82435
		Carbon Dioxide (CO2)	82374
		Calcium	82310
		Total Protein	84155
		Albumin	82040
		Alkaline Phosphatase	84075
		AST (SGOT)	84450
		ALT (SGPT)	84460
Bilirubin, Total	82247		
Electrolytes	80051	Sodium	84295

Panel Ordered	CPT for Panel	Component Parts	CPT for individual test
		Potassium	84132
		Chloride	82435
		Carbon Dioxide (CO2)	82374
Lipid Panel	80061	Cholesterol	82465
		Lipoprotein, HDL Direct	83718
		Triglycerides	84478
Liver Panel (Hepatic Function)	80076	ALT (SGPT)	84460
		Albumin	82040
		Alkaline Phosphatase	84075
		AST (SGOT)	84450
		Bilirubin, Direct	82248
		Bilirubin, Total	
Renal Panel	80069	Total Protein	84155
		Glucose	82947
		Blood Urea Nitrogen	84520
		Creatinine	82565
		Sodium	84295
		Potassium	84132
		Chloride	82435
		Carbon Dioxide (CO2)	82374
		Calcium	82310
		Albumin	82040
Phosphorus	84100		

Section I. Multiple Component Tests

The following section delineates tests that contain multiple component tests as determined by a single order. That is, one test order by the physician results in multiple tests being performed with associated codes/charges.

Chemistry: Tests (Multiple Component Tests)

Test Ordered	Component Parts	CPT	Notes
Bilirubin, Fractions (HML test name: Bilirubin, Total & Direct)	Bilirubin, Total	82247	
	Bilirubin, Direct	82248	
	Bilirubin, Indirect	N/A	
Drug Screen, Urine	Benzodiazepines	G0480	Can be ordered individually.
	Cocaine Metabolite	G0480	Can be ordered individually.
	Amphetamine/ Methamphetamine	G0480	Can be ordered individually.
	Cannabinoids	G0480	Can be ordered individually.
	Opiates	G0480	Can be ordered individually.
	Barbiturates	G0480	Can be ordered individually.
Glucose Tolerance, 2 hour	Fasting glucose	82951	Glucose + 3 specimens
	1 hour glucose	N/A	
	2 hour glucose	N/A	
Gestational Glucose Tolerance, 3 hour	Fasting glucose	82951	Glucose + 3 specimens
	1 hour glucose	N/A	
	2 hour glucose	N/A	
	3 hour glucose	82952	Additional glucose specimen
Parathyroid Hormone (PTH)	PTH baseline, PTH 10 min, and PTH 20min	83970	
ACTH Stimulation Panel	Cortisol 0, 30 and 60 minutes	82533	two or more cortisols

Section I. Multiple Component Tests

The following section delineates tests that contain multiple component tests as determined by a single order. That is, one test order by the physician results in multiple tests being performed with associated codes/charges.

Hematology: Tests (Multiple Component Tests)

Test Ordered	Component Parts	CPT
CBC with Manual Diff	Hemogram W/PLTS	85027
	Manual Differential	85007
CBC with Automated Diff	Hemogram W/PLTS	85025
	Auto Diff HAR	NA
	Reflex Manual Diff	NA
	Reflex Smear Review	NA

Parathyroid Hormone (PTH)

PTH baseline, PTH 10 min, and PTH 20min

83970

Section I. Multiple Component Tests Coagulation

The following section delineates tests that contain multiple component tests as determined by a single order. That is, one test order by the physician results in multiple tests being performed with associated codes/charges.

Test Ordered	Component Parts	CPT
DRVVT	DRVVT	85613
	DRVVT 1:1 mix	85613
	DRVVT ratio	85613
Lupus/Mixing Study Heparin XA and Thrombin Time may be performed but are not charged.	Lupus/Mix Study	NA
	PT	85610
	PTT-LA	85730
	DRVVT	85613
	DRVVT 1:1 mix	85613
	DRVVT ratio	85613
	PT 1:1 mix	85610
	PT T-LA zero minutes undiluted	85732
	PTT-LA 1:1 zero minutes	85732
	PTT-LA 1 hr undiluted	85732
	PTT-LA 1:1 one hour	85732
	Hexagonal Phosphate	85597
	LA Path Interp	
Platelet Function Assay (PFA)	PFA Panel	NA
	PTH baseline, PTH 10 min, and PTH 20min	83970
	PFA-epi	85576
	PFA-adp	85576
Circulating Anticoagulant PT	PT Undiluted	85610
	PT 1:1	85611
	Circulating Anticoagulant Path Review	
Circulating Anticoagulant PTT	PTT Undiluted	85730
	PTT 1:1 0 minutes	85732
	PTT 1:1 one hour	85732
	Circulating Anticoagulant Path Review	
Activated Protein C Resistance	APC Resistance	85307
	Factor V Leiden	
	FVL Isolation - Reflex if APC Resistance is 1.9-2.3	83890
	FVL Probe	83896

Section I. Multiple Component Tests

The following section delineates tests that contain multiple component tests as determined by a single order. That is, one test order by the physician results in multiple tests being performed with associated codes/charges.

Transfusion Services: Tests (Multiple Component Tests)

Blood Bank Orderable	Initial Test Performed	CPT
RhoGAM Workup, Mother's Specimen	ABO Blood Group	86900
	Rh Blood Type	86901
	Weak D	86880
	Antibody Screen	86850
	Fetal Cell Screen	85461
RhoGAM Workup, Newborn's Specimen	Coombs Direct Cord	86880
	Rh Blood Type	86901
Transfusion Reaction	Pathologist Evaluation. The following are performed and not billed: Clerical check, DAT, ABO Rh verification, urinalysis, repeat antibody screen, etc. as needed/appropriate.	86078
If ED Qualitative pregnancy is positive reflex to quantitative B-HCG	Quantitative B-HCG.	86900
	Rh Blood Type	86901
	Crossmatch	86901
	Antibody Screen	86850
Computer Crossmatch	Immediate-spin Crossmatch	86920
Type, Screen & Hold (TS&H)	ABO Blood Group	86900
	Rh Blood Type	86901
	Antibody Screen	86850
Parathyroid Hormone (PTH)	PTH baseline, PTH 10 min, and PTH 20min	
ROTEM	Coag/Fibrinolysis assay, whole blood viscoelastic clot assessment.	85396

Section I. Multiple Component Tests

The following section delineates tests that contain multiple component tests as determined by a single order. That is, one test order by the physician results in multiple tests being performed with associated codes/charges.

Transfusion Services: Blood & Blood Products (Multiple Component Tests)

Blood Bank Product Ordered	Blood Components	CPT
Platelet apheresis, Crossmatch, Leuko-reduced, Irradiated	Platelets, Leuko-reduced Pheresis	P9035
	Platelet crossmatch, complete	86022
	Irradiation Fee	86945
Platelet apheresis, HLA Matched, Leuko-reduced, Irradiated	Irradiation Fee	86945
	Platelets, Pheresis, HLA Match	P9052
Autologous Deglycerolized RBCs (Red Blood Cells)	Autologous Frozen Blood	P9039
	Donor Group and Type	86900
	Quantitative B-HCG.	86931
	Frozen Blood Storage – 3 months	
Autologous Frozen at Carter BloodCare	Autologous Frozen Blood	P9039
	Donor Group and Type	86900
Autologous Leukoreduced Red Cells	Autologous Leukoreduced Red Cells	P9021
	Donor Group and Type	86900
Autologous Whole Blood	Autologous Whole Blood	P9010
	Donor Group and Type	86900
Parathyroid Hormone (PTH)	PTH baseline, PTH 10 min, and PTH 20min	83970
Cryo, Pooled	Cryoprecipitate, each unit	P9012
	Pooling Charge Cryo	86965
Leukocytes, Pheresis, Irradiated	Leukocytes Single Donor	P9050
	Irradiation Fee	86945
Neonatal Leuko-reduced Red Cell, Irradiated	Neonatal Leuko-Reduced RBC	P9040
	Irradiation Fee	86945
	Sickle-Dex	85660
	Donor Unit Type	86900
Neonatal Leuko-reduced Red Cells	Neonatal Leuko-Reduced RBC	P9040
	Sickle-Dex	85660
Platelet Concentrate, Leuko-reduced, Volume Depletion	Volume Reduction	86960
	FVL Isolation - Reflex if APC Resistance is 1.9- μ	P9031

Transfusion Services: Blood & Blood Products (Multiple Component Tests)

Blood Bank Product Ordered	Blood Components	CPT
Reconstituted Whole Blood for exchange transfusion	RBC Leuko-reduced	P9016
	Fresh Frozen Plasma	P9017
	Irradiation Fee	86945
	Splitting Fee	86985
	CMV Negative Unit	86644
	Sickle-Dex	85660
	Donor Unit Hct.	85013
	Pooling Fee, RBCs	86965
Red Cells, Directed, Leuko-reduced, Irradiated	Irradiation Fee	86945
	Leukocyte-reduced Red Cell	P9016

Section I. Multiple Component Tests

The following section delineates tests that contain multiple component tests as determined by a single order. That is one test order by the physician results in multiple tests being performed with associated codes/charges.

Cytology and Histology: Tests (Multiple Component Tests and/or Test Clarification)

The referral of a specimen to Anatomic Pathology (Surgical Pathology, Cytology, etc.) represents a request for a pathology consultation. If in the judgment of the pathologist, additional routine, histochemistry, cytochemistry, electron microscopy, and/or immunohistochemistry stains/techniques are indicated, they may be ordered by the pathologists.

Test Ordered	Component Tests	CPT
Bladder, renal pelvis washing	Liquid Based Preparation-Non Gyn Cytology-Monolayer	88112
	Cell Block - Level 4 Gross & Micro or Rapid Cell Block-Cellient (if needed)	88305
Body Fluids (abdominal, pleural, pericardial)	Liquid Based Preparation-Non Gyn Cytology-Monolayer	88112
	Cell Block - Level 4 Gross & Micro or Rapid Cell Block-Cellient (if needed)	88305
Bronchial Brushings	Liquid Based Preparation-Non Gyn Cytology-Monolayer	88112
	Cell Block - Level 4 Gross & Micro or Rapid Cell Block-Cellient (if needed)	88305
Bronchial Washings	Liquid Based Preparation-Non Gyn Cytology-Monolayer	88112
	Cell Block - Level 4 Gross & Micro or Rapid Cell Block-Cellient (if needed)	88305
	Special Stain-organism	88312
Cerebrospinal Fluid	Concentration and Filter Prep	88108
	Block-Cellient (if needed)	88305
Common Bile Duct Brushing	Prepare/interpret Smears; Less than 5	88104
Common Bile Duct Brushing Fluid	Liquid Based Preparation-Non Gyn Cytology-Monolayer	88112

Test Ordered	Component Tests	CPT
	Cell Block - Level 4 Gross & Micro or Rapid Cell Block-Cellient (if needed)	88305
Parathyroid Hormone (PTH)	PTH baseline, PTH 10 min, and PTH 20min	83970

Test Ordered	Component Tests	CPT
Cyst Fluid (various sites)	Liquid Based Preparation-Non Gyn Cytology-Monolayer	88112
	Cell Block - Level 4 Gross & Micro or Rapid Cell Block-Cellient (if needed)	88305
Cyto Smears; other source; preparation, screening, and interp.	Touch Prep	88161
Path Consult Cytologic Exam during surgery	Touch Prep	88333
	Touch Prep each additional	88334
Duodenal Brushing Fluid	Liquid Based Preparation-Non Gyn Cytology-Monolayer	88112
	Cell Block - Level 4 Gross & Micro or Rapid Cell Block-Cellient (if needed)	88305
Duodenal Washing	Liquid Based Preparation-Non Gyn Cytology-Monolayer	88112
	Cell Block - Level 4 Gross & Micro or Rapid Cell Block-Cellient (if needed)	88305
Fine Needle Aspirate (FNA) – Pathologist Performed	FNA -Path Performed	10021
	FNA Immediate Adequacy Assessment	88172
	FNA Immediate Adequacy Assessment each additional	88177
	FNA Interpretation + Report	88173
	Cell Block - Level 4 Gross & Micro or Rapid Cell Block-Cellient (if needed)	88305
Fine Needle Aspirate (FNA) - Radiology-Endoscopy	FNA Immediate Adequacy Assessment	88172
	FNA Immediate Adequacy Assessment each additional	88177
	FNA Interpretation + Report	88173
	Cell Block - Level 4 Gross & Micro or Rapid Cell Block-Cellient (if needed)	88305
Gastric Brushing	Liquid Based Preparation-Non Gyn Cytology-Monolayer	88112

Test Ordered	Component Tests	CPT
	Cell Block - Level 4 Gross & Micro or Rapid Cell Block-Cellient (if needed)	88305
Gastric Washing	Liquid Based Preparation-Non Gyn Cytology-Monolayer	88112
	Cell Block - Level 4 Gross & Micro or Rapid Cell Block-Cellient (if needed)	88305
Gyn Cytology – Conventional Pap	Pap Smear The Bethesda System (TBS)	88164
Gyn Cytology – Conventional Pap w/ QC	Pap Smear TBS + QC	88165
Gyn Cytology – Maturation Index	Maturation Index	88155
Gyn Cytology – Thin Prep Pap Test	Monolayer Pap	88142
Gyn Cytology – Thin Prep Pap Test w/ QC	Monolayer Pap + QC	88143
Miscellaneous Fluid	Liquid Based Preparation-Non Gyn Cytology-Monolayer	88112
	Level 4 Gross & Micro	88305
	Cell Block - Level 4 Gross & Micro or Rapid Cell Block-Cellient (if needed)	88305
Needle Aspirate Fluid	Liquid Based Preparation-Non Gyn Cytology-Monolayer	88112
	Cell Block - Level 4 Gross & Micro or Rapid Cell Block-Cellient (if needed)	88305
Needle Aspirate Smears	Prepare/interpret Smears; Less than 5	88104
	Extended study >5 smears and/or stains	88162
Pelvic Washings	Liquid Based Preparation-Non Gyn Cytology-Monolayer	88112
	Cell Block - Level 4 Gross & Micro or Rapid Cell Block-Cellient (if needed)	88305
Renal pelvic brushing	Liquid Based Preparation-Non Gyn Cytology-Monolayer	88112
	Cell Block - Level 4 Gross & Micro or Rapid Cell Block-Cellient (if needed)	88305
Sex Chromatin Identification; Barr Bodies	Buccal Smear	88130

Test Ordered	Component Tests	CPT
Urine, voided or catheterized	Liquid Based Preparation-Non Gyn Cytology-Monolayer	88112
	Cell Block - Level 4 Gross & Micro or Rapid Cell Block-Cellient (if needed)	88305

Section II: Reflex, Confirmatory and/or Accepted Clinical Practice Testing

This section delineates tests that may be added to the original order based on initial laboratory findings without an additional physician order.

Microbiology

Test that may be added on to culture work up:	CPT
Concentration, Infectious Agents	87015
Culture, Stool, Additional Pathogens	87046
Culture Typing, Identification by Probe	87149
Homogenization, Tissue, Culture	87176
Identification, AFB (Acid Fast Bacillus)	87118
Identification, Fungus, Mold	87107
Identification, Fungus, Yeast	87106
Identification Aerobe	87707
MRSA Screen (Methicillin Resistant Staphylococcus Aureus)	87081
MIC, Bacteria, Yeast or Mold	87186
Sensitivity, Agar Diffusion	87181
Stain, AFB (Acid Fast Bacillus)	87206
Stain, Direct Gram	87205
Stain, Fungus	87205
Susceptibility by Enzyme	87185
Susceptibility, Agar Dilution	87181
Parathyroid Hormone (PTH)	PTH baseline, PTH 10 min, and PTH 20min
Shiga Toxin 1	87899
E coli O157	87147
Shiga Toxin 2	87899
Typing, Miscellaneous	Multiple CPTs – See Section I, Component Tests
Typing, Salmonella	Multiple CPTs – See Section I, Component Tests
Typing, Shigella	Multiple CPTs – See Section I, Component Tests
Fungus Culture, source CSF will reflex to Cryptococcal Antigen, CSF	87327
Anaerobic culture when indicated by specimen source, body site or clinical information. Sites included: Deep wounds, Sterile body fluids, tissue, aspirated, bone.	87073

Section II: Reflex, Confirmatory and/or Accepted Clinical Practice Testing

This section delineates tests that may be added to the original order based on initial laboratory findings without an additional physician order.

Microbiology

A blood culture order, when positive for growth, will result in molecular tests to detect the following:

Organism Target: Gram Positive Panel	CPT CODE
All Targets NOT DETECTED	87149
<i>Staphylococcus sp.</i>	87149
<i>S. aureus</i>	87149
<i>S. aureus mecA</i> Detected	87149
<i>S. epidermidis</i>	87149
<i>S. epidermidis mecA</i> Detected	87149
<i>S. lugdunensis</i>	87149
<i>Streptococcus sp.</i>	87149
<i>S. agalactiae</i>	87149
<i>S. pyogenes</i>	87149
<i>S. pneumoniae</i>	87149
<i>S. anginosus gp.</i>	87149
<i>E. faecalis</i>	87149
<i>E. faecium</i>	87149

ORGANISM TARGET: Gram Negative Panel	CPT CODE
All Targets NOT DETECTED	87149
<i>Acinetobacter sp.</i>	87149
<i>Citrobacter sp.</i>	87149
<i>Enterobacter sp.</i>	87149
<i>Proteus sp.</i>	87149
<i>E. coli</i>	87149
<i>K. pneumoniae</i>	87149
<i>K. oxytoca</i>	87149
<i>P. aeruginosa</i>	87149

Section II: Reflex, Confirmatory and/or Accepted Clinical Practice Testing

This section delineates tests that may be added to the original order based on initial laboratory findings for an additional charge without an additional physician order.

Chemistry

Test Order	Reflex/Confirmation
Hepatitis C Antibody if positive reflex to HCV RNA	Hepatitis C Antibody (CPT 86803). If Hepatitis C Antibody Signal Cutoff Ratio S/O 1.0-4.99 reflex to HCV RNA Quant PCR (CPT 87522).
Hepatitis B Surface Antigen if positive reflex to confirmation.	Hepatitis B Surface Antigen (CPT 87340). If positive reflex to HBsAg confirmation sent to THD (CPT 87341).
HIV1/HIV2 Antibody + HIV2 Antigen Assay if positive reflex to HIV1/HIV2 Antibody Differentiation	Geenius (Reports HIV 1 Antibody and HIV 2 Antibody) CPT 86703
(Geenius) HIV 1 Antibody and HIV 2 Antibody: Results below reflex to	ARUP HIV 1 PCR (CPT)
Non-reactive	
HIV-2 Positive with HIV-1 crossreactivity	
HIV-1 Indeterminate	
HIV Positive - Untypable	
HIV-2 Indeterminate	
Invalid	
If ED Qualitative pregnancy is positive reflex to quantitative B-HCG	Quantitative B-HCG.

PTH baseline, PTH 10 min, and PTH 20min

Parathyroid Hormone (PTH)

83970

Section II: Reflex, Confirmatory and/or Accepted Clinical Practice Testing

This section delineates tests that may be added to the original order based on initial laboratory findings without an additional physician order.

Hematology

Tests that may be added on to:	CPT	Notes:
Complete Blood Count (CBC)	85025	
Manual Differential or smear review	N/A	Criteria used for reflex smear review are based on instrument flags and/or results of specified portions of the testing process reported on the hemogram.
Pathologist Smear Review	85060	Order for this test is requested by the bench technologist based on departmental criteria (Criteria available upon request). Can also be ordered by physician.
Body Fluid Cell Count	89051	
Pathologist Body Fluid Review	88108	Order for this test is requested by the bench technologist based on departmental criteria (Criteria available upon request). Can also be ordered by physician.
CSF Cell Count	89051	
Pathologist CSF Review	88108	Order for this test is requested by the bench technologist based on departmental criteria (Criteria available upon request). Can also be ordered by physician, if desired.

Parathyroid Hormone (PTH) eline, PTH 10 min, and PT

83970

II. Reflex, Confirmatory and/or Standard Clinical Practice Testing

The following section delineates tests that may be added to the original order based on initial laboratory findings without an additional physician order.

Test Order	Possible Additional Charges	CPT
Crossmatch Result	Computer Crossmatch	86923
	Crossmatch AHG	86922
	Crossmatch by Carter BloodCare	86922
	Antigen Except ABO/Rh (donor unit phenotypic)	86905
	Autologous Fee Outside	86903
	Autologous Collection Fee	86890
	Carter BloodCare Donor Antigen Fee	86902
	CMV Negative Unit	86644
	Quantitative B-HCG.	86945
	Sickle-Dex	85660
	RBC Washing Fee	86999
	Rare Donor Unit	86999
	RH Blood Type	Weak D
RHIG WKUP, Cord Blood (RhoGAM Workup, Cord Blood)	Weak D	86880
	Chemical Pretreatment of RBC's	86970
RHIG WKUP, Mother (RhoGAM Workup, Mother's specimen)	Antibody Identification	86870
	PTH baseline, PTH 10 min, and PTH 20min	83970
	Antigen Except ABO/Rh (donor unit phenotypic)	86905
	Antibody Neutralization	86977
	Chemical Pretreatment of RBC's	86970
	Direct Coombs (polyspecific)	86880
	Direct Coombs Complement	86880
	Direct Coombs, IgG	85460
	Hgb F by Blood Center	88184
	Pathologist Evaluation	86077
	Screen, Post RhoGAM (RHIG)	86886
Type, Screen & Hold (TS&H) or Type and Crossmatch	ABO by Carter Blood Care	86900
	ABO Type Discrepancy by Carter BloodCare	86900
	FVL Isolation - Reflex if APC Resistance is 1.9	86978

Test Order

Possible Additional Charges

CPT

Test Order	Possible Additional Charges	CPT
Type, Screen & Hold (TS&H) or Type and Crossmatch (cont)	High titer/low avidity (HTLA) Antibody Titer	86886
	Indirect AHG by Carter BloodCare	86850
	Neocyte Harvest by Carter BloodCare	86972
	Pathologist Evaluation	86077
	Patient Antigen Type, single by Carter BloodCa	86905
	Rare Cell ID by Carter BloodCare	86870
	RBC Treatment by Carter BloodCare	86970
	Rh Phenotype by Carter BloodCare	86906
	RH Type by Carter BloodCare	86901
	Rh Type Discrepancy by Carter BloodCare	86901
	Select Cell ID by Carter BloodCare	86870
	Weak D	86880

II. Reflex, Confirmatory and/or Standard Clinical Practice Testing

The following section delineates tests that may be added to the original test order based on initial laboratory findings by surgeon, pathologist, or clinician.

Possible Additional Tests	CPT
Additional frozen block	88332
Touch Prep/IOC, additional site	88334
Decal	88311
Special Stain (per block, per specimen)	88312
Other Special Stain (per block, per specimen)	88313
Oil Red O (per block, per specimen)	88314
Human Papillomavirus (HPV), high risk types	87624
	88323
Consultation, comprehensive	88325
Immunohistochemistry (IHC) additional stains	88341
IP, quantitative, manual	88360
Immunofluorescence (IF)	88346
In-situ hybridization (ISH)	88365
ISH quantitative, manual	88368
Parathyroid Hormone (PTH)	PTH baseline, PTH 10 min, and PTH 20min
Electron Microscopy (EM)	88348
DNA, Image Analysis	88358
Surgical Tissue	Gross and Micro Level 6