

Reflex Test List

Initial Requested Test	Criteria for Reflex	Reflex Test / Procedure	Reflex Billing CPT Code
Serology			
Hepatitis B Surface Antigen (CPT code 87340)	Reactive	Hepatitis B Surface Antigen Confirmatory Assay	87341
RPR (routine) (CPT code 86592)	Reactive	TP-PA	86780
RPR prenatal, RPR with TP-PA confirmation, RPR on pediatrics ≤12 years old (CPT code 86592)	Reactive	RPR titer and <i>Treponema pallidum</i> particle agglutination (TP-PA)	86593 and 86780
VDRL, Cerebrospinal Fluid screen (CPT code 86592)	Positive	VDRL titer	86593
Antinuclear Antibody (CPT code 86038)	Positive	ANA titer	86039
Antinuclear Antibody Fluid (CPT code 86038)	Positive	ANA Fluid titer	86039
nDNA (<i>Crithidia</i>) Ab by IFA (CPT code 86255)	Positive	Crithidia Ab titer	86256
Parietal cell antibody (CPT code 86255)	Positive	Parietal cell antibody titer	86256
Smooth Muscle antibody (CPT code 86015)	Positive	Smooth Muscle antibody titer	86256
Mitochondrial antibody (CPT code 86381)	Positive	Mitochondrial antibody titer	86256
Coccidioides Antibody Profile by EIA (CPT code 86635)	≥0.15	Cocci Antibody ID-CF, Cocci Antibody ID-TP, and Coccidioides Ab by Complement Fixation (Send out reference lab test)	86635 86635 86635
HIV-1/2 Ag/Ab 4 th Generation with Reflex Confirmation (CPT code 87389)	Reactive	HIV-1/HIV-2 antibody confirmation assay	86701, 86702
Endomysial antibody IgA (CPT code 86231)	Positive	Endomysial titer	86256

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Hepatitis B & C Screening with reflex to Viral Load (CPT 87340, 86803)	Hepatitis B surface Antigen Reactive and/or Hepatitis C Antibody Reactive	Hepatitis B Surface Antigen reflex to Hepatitis B Surface Antigen Confirmatory Assay, reflex to Hepatitis B Virus DNA Quantitative PCR Hepatitis C Antibody reflex to Hepatitis C Virus RNA Quantitative PCR	87341 87517 87522																																						
Hepatitis C Reflex Panel (CPT 86803)	Reactive	HCV Quant reflex to Genotype	87552, 87902																																						
Chemistry																																									
Sepsis protocol Lactate (CPT 86803)	Blood Lactate >18 mg/dL	Sepsis protocol Lactate repeat	83605																																						
Thyroid Stimulating Hormone with reflex testing (CPT code 84443)	TSH <0.3 mIU/mL or >4.7 mIU/mL	Free T4	84439																																						
Thyroid Stimulating Hormone with reflex testing (CPT code 84443)	TSH <0.1 mIU/mL and Free T4 normal	Free T3	84481																																						
Rapid HIV Screen (CPT code 86701)	Reactive	HIV-1/2 Ag/Ab 4 th Generation and/or HIV-1/HIV-2 antibody confirmation assay	87389, 86701, 86702																																						
<u>DRUG SCREEN, Urine:</u> (CPT code 80307)	<u>Criteria for Reflex:</u> Any positive or indeterminate result. <u>Reflex Test/Procedure:</u> Confirmation (send out to reference lab)																																								
A. Drug screen*, urine [LAB677]	<table><tr><th rowspan="2">Drugs</th><th rowspan="2">CPT Code</th><th rowspan="2">A Reflex from LAB 677]</th><th rowspan="2">B Reflex from [LAB 423]</th><th colspan="2">Pain Management</th></tr><tr><th>C Reflex from [LAB 8588]</th><th>D Reflex from [LAB 8595]</th></tr><tr><td>Amphetamine/ Methamphetamines</td><td>80324</td><td>X</td><td></td><td>X</td><td>X</td></tr><tr><td>Barbiturates</td><td>80345</td><td>X</td><td></td><td>X</td><td>X</td></tr><tr><td>Benzodiazepines</td><td>80346</td><td>X</td><td></td><td>X</td><td>X</td></tr><tr><td>Cannabinoids</td><td>80349</td><td>X</td><td></td><td>X</td><td></td></tr><tr><td>Cocaine</td><td>80353</td><td>X</td><td></td><td>X</td><td>X</td></tr></table>			Drugs	CPT Code	A Reflex from LAB 677]	B Reflex from [LAB 423]	Pain Management		C Reflex from [LAB 8588]	D Reflex from [LAB 8595]	Amphetamine/ Methamphetamines	80324	X		X	X	Barbiturates	80345	X		X	X	Benzodiazepines	80346	X		X	X	Cannabinoids	80349	X		X		Cocaine	80353	X		X	X
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B. Phencyclidine*, urine [LAB423]	Methadone	80358	X		X	X	
	Opiates	80361	X		X	X	
C. PAIN MANAGEMENT Drug screen, urine [LAB8588]	Ethanol	82077	X		X		
	Fentanyl	80354	X		X	X	
	Oxycodone	80365	X		X	X	
D. PAIN MANAGEMENT Drug screen, urine No THC or ETOH [LAB8595]	Hydrocodone	80361	X		X	X	
	Phencyclidine	83992		X			
Vancomycin, Trough (CPT Code 80202) [LAB39]	Result flagged with Prozone error2 (Unstable Kinetic)	Vancomycin, Trough Level [LAB8952]			80202		
Vancomycin, Random (CPT Code 80202) [LAB40]	Result flagged with Prozone error2 (Unstable Kinetic)	Vancomycin, Random Level [LAB8953]			80202		
Hematology/Coagulation							
Complete Blood Count, Platelets with automated differential (CPT code 85025)	Differential scan determines if manual differential needed	Manual Differential			85007		
Protein C (CPT code 85303)	Protein C <70.0% act.	Factor VII			85230		
Manual Differential (CPT 85007)	Parasites Present	Path Peripheral Smear Review Parasite Exam Blood Rapid Malaria Screen			85060 87207 87899		
Red Blood Cell Morphology (CPT 85007)	Parasites Present	Path Peripheral Smear Review Parasite Exam Blood Rapid Malaria Screen			85060 87207 87899		
CSF Differential (CPT 89051)	Organisms reported	Bacterial Culture & Gram Stain			87070		
Urinalysis							
Urinalysis with reflex to bacterial culture (CPT codes: 81000, 81001, 81002, 81003, 81015)	Leukocyte esterase positive above trace (1+, 2+, 3+) and/or Nitrite positive and/or WBC >22/μL (4WBC/hpf)	Bacterial urine culture			87086		
Transfusion Medicine							
Blood Type (ABORh) (CPT 86900)	If unable to determine blood	ABORh discrepancy			86900 86850		

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	type by routine testing		
Indirect Antiglobulin Test (CPT 86850)	Positive	Antibody Identification	86870
Indirect Antiglobulin Test (CPT 86850)	Positive	Direct Antiglobulin Test, IgG and/or C3	86880
Indirect Antiglobulin Test (CPT 86850)	Positive	DTT treated RBCs IAT	86970
Antibody Identification (CPT 86870)	Positive	Antigen Screening of units	86902 (each antigen)
Antibody Identification (CPT 86870)	Positive	Patient RBC phenotype	86905 (each antigen)
Antibody Identification (CPT 86870)	Positive	Auto - or differential absorptions	86077, 86970, 86978
Antibody Identification (CPT 86870)	Positive	Antibody Titer	86886 (each antibody)
Direct Antiglobulin Test (CPT 86880)	Positive	Antibody Elution	86860
Elution (CPT 86860)	Positive	Antibody Identification	86870
Cord Blood Workup (CPT 86900)	If the mother has a non-ABO IgG antibody, or the mother is Group O and the child is Group A or B	Direct Antiglobulin Test, IgG	86880
Cord Blood Workup (CPT 86900)	If the mother is Rh negative and the child is Rh negative	Weak D testing, to determine if mother is a Rhlg candidate	86901
Type and Screen (CPT 86900, 86850)	Need for transfusion	Check type	86900
Type and Screen (CPT 86900, 86850)	Diagnosis of sickle cell disease or thalassemia	Patient RBC phenotype	86905 (each antigen)
Type and Screen (CPT 86900, 86850)	Patient with warm autoantibody	RBC phenotype	86905 (each antigen)
Cold Agglutinin Screen (CPT 86156)	Positive	Cold Agglutinin Titer	86157
Cold Agglutinin Screen (CPT 86156)	Positive	Thermal Amplitude Screen	86941

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Serological Crossmatch (CPT 86920 or 86922)	Positive	Antibody Identification	86870
Transfusion Reaction	Part of evaluation	ABO-Rh	86900
Transfusion Reaction	Part of evaluation	Direct Antiglobulin Test, IgG	86880
Fetal screen (CPT 85461)	Positive	Fetomaternal Bleed, Flow Cytometry	86356
Cytology			
ThinPrep Pap/SurePath Pap (CPT 88142/G0123)	ASCUS/AGC	Human Papillomavirus HPV-DNA	87621
Bacteriology			
Bacterial Culture, Anaerobes (CPT 87075) includes a Bacterial Culture, Aerobes (CPT 87070) and Gram stain (CPT 87205)	Positive	Identification and susceptibility tests, if appropriate	Identification (87076, 87077) Susceptibility (87181, 87184, 87186)
Bacterial Culture, Aerobes (CPT code 87070) includes Gram stain (CPT code 87205)	Positive	Identification and susceptibility tests, if appropriate	Identification (87077) Susceptibility (87184, 87186)
Bacterial Blood Culture (CPT 87040)	Positive	Identification and susceptibility tests, if appropriate	Identification (87077) Susceptibility (87184, 87186)
Bacterial Respiratory Culture (CPT 87070)	Expectorated Sputum	Sputum screen	87205
Bacterial Respiratory Culture (CPT 87070)	Positive	Identification and susceptibility tests, if appropriate	Identification (87077) Susceptibility (87184, 87186)
Bacterial Respiratory Culture (CPT 87070)	Cystic Fibrosis Patient	Respiratory Bacterial Culture, CF	87070
Enteric Stool Panel, PCR (CPT 87505)	Detected for Shigella, S. typhi or S. paratyphi for all ages. Any Salmonella result for patients ≤ 3 months	Culture, identification and susceptibility tests, if appropriate	Culture (87045), Identification (87077) Susceptibility (87184, 87186)
Bacterial Throat Culture (CPT 87070)	Positive	Identification, if appropriate	87077

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Bacterial Urine Culture (CPT 87086)	Organisms of significant quantity	Identification and susceptibility tests, if appropriate	Identification (87077, 87088) Susceptibility (87184, 87186)
Genital Beta Strep, PCR (CPT 87653)	Patient is penicillin allergic	Susceptibility Tests	Susceptibility (87184, 87186, 87188)
Legionella Culture (CPT 87081) includes bacterial respiratory culture (CPT 87070)	Positive	Identification	87077, 87153
Neisseria gonorrhoeae Culture (CPT 87081)	Positive on extragenital sources or on patients <13 years old	PCR or MALDI	87591, 87077
Group A Streptococcus Antigen, Throat (CPT 87880)	Negative on patients ≤18 years old	Throat Culture	87070
Nocardia culture (CPT 87081) includes bacterial culture (CPT 87070), Gram stain (CPT 87205), and modified AF stain (CPT 77206)	Positive	Identification and susceptibility testing	Identification (87153, 87077) Susceptibility (87184, 87186, 87188)
Susceptibility test (CPT 87184, 87186 or 87188)	First isolate, Inpatient, to confirm Carbapenamase	CRE PCR	87150
Vibrio Culture (CPT 87046)	Positive	Identification	87077
Yersinia Culture (CPT 87046)	Positive	Identification	87077
Acid Fast Bacteriology			
Acid Fast Culture Blood (CPT 87116)	Positive	Identification; susceptibility test on first isolation of any <i>mycobacterium spp.</i> In 3 months	Identification (87118, 87149, 87153) Susceptibility (referral lab test, 87190)

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Acid Fast Culture (CPT 87116) includes AFB stain (CPT 87206) and concentration (CPT 87015)	Positive	Identification; susceptibility test on first isolation of <i>M. tuberculosis</i> , Rapid growers, <i>M. kansasii</i> in 3 months (for critical specimen and pediatric patients, any <i>mycobacterium spp.</i>) <i>M. tuberculosis</i> PCR first AFB smear positive specimen per patient (repeated every three months), first specimen submitted to lab for patients identified by Infection Prevention as started on TB therapy	Identification (87118, 87149, 87153) Susceptibility (referral lab test, 87190) <i>M. tuberculosis</i> PCR (87556)
<i>Mycobacterium tuberculosis</i> PCR (CPT 87556)	Positive, no AFB culture ordered	Acid Fast Culture	Culture (87116), Stain (87206) Concentration (87015)
Mycology			
Fungal Culture Blood (CPT 87103)	Positive	Identification and susceptibility test every 7 days, if appropriate	Identification (87106, 87107) Susceptibility (87186)
Fungal Culture, not genital, throat, urine (CPT 87102)	Positive	Identification and susceptibility test every 7 days, if appropriate	Identification (87106, 87107, 87149) Susceptibility (87186)
Cryptococcus Antigen Screen (CPT 87327)	Positive	Titer	87327
Cryptococcus Antigen Screen, CSF (CPT 87327)	Positive, with no culture ordered	Fungal Culture, CSF	87102
Parasitology			
Parasite Culture (CPT 87081)	Suspected Agent	Stain (Calcofluor or Giemsa)	87206
Virology			
HCV Quant reflex to Genotype (CPT 87552)	Viral Load >1000 IU/mL	HCV Genotyping	87902

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Standalone Chlamydia trachomatis by PCR (CPT 87491) and/or Neisseria gonorrhoeae by PCR (CPT 87591)	PAP smear GC/CT order question answered	Chlamydia trachomatis by PCR and Neisseria gonorrhoeae combination panel	87591 and 87491
C. difficile PCR (CPT 87493)	Positive	C. difficile Toxin Antigen	87324
Cytogenetics			
Amniotic Fluid Chromosome analysis (Culture - CPT 88235) (Analysis - CPT 88267) (Interpretation - CPT 88291) (Additional Karyotype - CPT 8280) (Additional Cell Count - CPT 88285)	Suspicious or abnormal standard chromosome finding	FISH (fluorescence in situ hybridization) Parental chromosome analysis	88271 and one or more of the following: 88272, 88273, 88274, 88275, 88291
Chorionic Villus Sampling chromosome analysis (Culture - CPT 88235) (Analysis - CPT 88267) (Interpretation - CPT 88291) (Additional Karyotype - CPT 88280) (Additional Cell Count - CPT 88285)	Suspicious or abnormal standard chromosome finding	FISH Parental chromosome analysis	88271 and one or more of the following: 88272, 88273, 88274, 88275, 88291
Peripheral Blood (constitutional chromosome analysis) (Culture - CPT 88230) (Analysis - CPT 88262) (Interpretation- CPT 88291) (Additional Karyotype - CPT 88280) (High Res Banding - CPT 88289)	Suspicious or abnormal standard chromosome finding	FISH	88271 and one or more of the following: 88272, 88273, 88274, 88275, 88291
Bone Marrow / Leukemic Blood/ Stem Cell (neoplastic chromosome analysis) (Culture - CPT 88237) (Analysis - CPT 88262) (Interpretation - CPT 88291) (Additional Karyotype - CPT 88280)	Suspicious or abnormal standard chromosome finding	FISH	88271 and one or more of the following: 88272, 88273, 88274, 88275, 88291, or 88368

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Products of Conception chromosome analysis (constitutional) (Culture - CPT 88233) (Analysis - CPT 88267) (Interpretation- CPT 88291) (Additional Karyotype - CPT 88280) (Additional Cell Count - CPT 88285)	Suspicious or abnormal standard chromosome finding	FISH	88271 and one or more of the following: 88272, 88273, 88274, 88275, 88291
Solid Tumor chromosome analysis (Culture - CPT 88239) (Analysis - CPT 88262) (Interpretation - CPT 88291) (Additional karyotype - CPT 88280) (Additional Cell Count - CPT 88285)	Suspicious or abnormal standard chromosome finding	FISH	88271 and one or more of the following: 88272, 88273, 88274, 88275, 88291, or 88368
Molecular Diagnostics			
IDH1 Mutation Analysis (CPT 81403)	Negative	IDH2 Mutation Analysis	81403
B Cell Gene Rearrangement (IGH) (CPT 81261)	Negative PCR test	B Cell Gene Rearrangement, Immunoglobulin kappa light chain (IGK)	81264
T Cell Gene Rearrangement, TCR Gamma (TRG) (CPT 81342)	Negative PCR test	T Cell Gene Rearrangement TCR Beta (TRB)	81340
KRAS Next Generation Sequencing (CPT 81275)	Negative	Colorectal Cancer Mutation Analysis Panel	81445