TAR and Non-Benefit List: Codes 80000 thru 89999

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Pathology and Laboratory

Organ or Disease-Oriented Panels

Note: Refer to the *TAR and Non-Benefit: Introduction to List* in this manual for more information about the categories of benefit restrictions.

‹‹**Note:** Inpatient laboratory services are included in the Diagnosis Related Group (DRG) or per diem bundled payment. Please refer to *Diagnosis Related Group Hospital Inpatient Payment Methodology* for inpatient billing.››

Organ or Disease-Oriented Panels

Code	Description	Benefit Restrictions
80050	General health panel	Non-Benefit

Urinalysis

Urinalysis

Code	Description	Benefit Restrictions
81020	Urinalysis; two or three glass test	Non-Benefit

Molecular Pathology

Tier 1 Molecular Pathology Procedures

Code	Description	Benefit Restrictions
81162	BRCA1, BRCA2, gene analysis; full sequence analysis and full duplication/deletion analysis	Requires TAR, Primary Surgeon/ Provider
81163	BRCA1 (BRCA1, DNA repair associated), BRCA2 (BRCA2, DNA repair associated) gene analysis; full sequence analysis	Requires TAR, Primary Surgeon/ Provider
81164	BRCA1 (BRCA1, DNA repair associated), BRCA2 (BRCA2, DNA repair associated) gene analysis; full duplication/deletion analysis	Requires TAR, Primary Surgeon/ Provider

Tier 1 Molecular Pathology Procedures (continued)

Code	Description	Benefit Restrictions
81165	BRCA1 (BRCA1, DNA repair associated) gene analysis; full sequence analysis	Requires TAR, Primary Surgeon/ Provider
81166	BRCA1 (BRCA1, DNA repair associated) gene analysis; full duplication/deletion analysis	Requires TAR, Primary Surgeon/ Provider
81167	BRCA2 (BRCA2, DNA repair associated) gene analysis; full duplication/deletion analysis	Requires TAR, Primary Surgeon/ Provider
81170	ALB1, gene analysis, variants in the kinase domain	Requires TAR, Primary Surgeon/ Provider
81173	AR (androgen receptor) gene analysis; full gene sequence	Requires TAR, Primary Surgeon/ Provider
81174	AR (androgen receptor) gene analysis; known familial variant	Requires TAR, Primary Surgeon/ Provider
81177	ATN1 (atrophin 1) gene analysis, evaluation to detect abnormal alleles	Requires TAR, Primary Surgeon/ Provider
81178	ATXN1 (ataxin 1), gene analysis, evaluation to detect abnormal alleles	Requires TAR, Primary Surgeon/ Provider
81179	ATXN2 (ataxin 2) gene analysis, evaluation to detect abnormal alleles	Requires TAR, Primary Surgeon/ Provider
81180	ATXN3 (ataxin 3) gene analysis, evaluation to detect abnormal alleles	Requires TAR, Primary Surgeon/ Provider
81181	ATXN7 (ataxin 7) gene analysis, evaluation to detect abnormal alleles	Requires TAR, Primary Surgeon/ Provider
81182	ATXN8OS (ATXN8 opposite strand [non-protein coding]) gene analysis, evaluation to detect abnormal alleles	Requires TAR, Primary Surgeon/ Provider

Tier 1 Molecular Pathology Procedures (continued)

Code	Description	Benefit Restrictions
81183	ATXN10 (ataxin 10) gene analysis, evaluation to detect abnormal alleles	Requires TAR, Primary Surgeon/ Provider
81184	CACNA1A (calcium voltage-gated channel subunit alpha1 A) gene analysis; evaluation to detect abnormal alleles	Requires TAR, Primary Surgeon/ Provider
81185	CACNA1A (calcium voltage-gated channel subunit alpha1 A) gene analysis; full gene sequence	Requires TAR, Primary Surgeon/ Provider
81186	CACNA1A (calcium voltage-gated channel subunit alpha1 A) gene analysis; known familial variant	Requires TAR, Primary Surgeon/ Provider
81187	CNBP (CCHC-type zinc finger nucleic acid binding protein) gene analysis, evaluation to detect abnormal alleles	Requires TAR, Primary Surgeon/ Provider
81188	CSTB (cystatin B) gene analysis; evaluation to detect abnormal alleles	Requires TAR, Primary Surgeon/ Provider
81189	CSTB (cystatin B) gene analysis; full gene sequence	Requires TAR, Primary Surgeon/ Provider
81190	CSTB (cystatin B) gene analysis; known familial variant(s)	Requires TAR, Primary Surgeon/ Provider
81191	NTRK1 (neurotrophic receptor tyrosine kinase 1) (eg, solid tumors) translocation analysis	Requires TAR
81192	NTRK2 (neurotrophic receptor tyrosine kinase 2) (eg, solid tumors) translocation analysis	Requires TAR
81193	NTRK3 (neurotrophic receptor tyrosine kinase 3) (eg, solid tumors) translocation analysis	Requires TAR
81194	NTRK (neurotrophic receptor tyrosine kinase 1, 2, and 3) (eg, solid tumors) translocation analysis	Requires TAR
‹‹81195	Cytogenomic (genome-wide) analysis, hematologic malignancy, structural variants and copy number variants, optical genome mapping (OGM)	Non-Benefit››
81200	ASPA gene analysis; common variants	Non-Benefit
81202	APC gene analysis; known familial variants	Requires TAR, Primary Surgeon/ Provider

Tier 1 Molecular Pathology Procedures (continued)

Code	Description	Benefit Restrictions
81204	AR (androgen receptor) gene analysis; characterization of alleles	Requires TAR, Primary Surgeon/ Provider
81205	BCKDHB gene analysis	Non-Benefit
81209	BLM gene analysis	Non-Benefit
81212	BRCA1, BRCA2 gene analysis; 185delAG, 5385insC, 6174delT variants	Requires TAR, Primary Surgeon/ Provider
81215	BRCA1 gene analysis; known familial variant	Requires TAR, Primary Surgeon/ Provider
81216	BRCA2 gene analysis; full sequence	Requires TAR, Primary Surgeon/ Provider
81217	BRCA2 gene analysis; known familial variant	Requires TAR, Primary Surgeon/ Provider
81221	CFTR gene analysis; known familial variants	Requires TAR
81222	CFTR gene analysis; duplication/deletion variants	Requires TAR
81223	CFTR gene analysis; full gene sequence	Requires TAR
81224	CFTR gene analysis; intron 8 poly-T analysis	Requires TAR
81226	CYP2D6 gene analysis, common variants	Requires TAR
81228	Cytogenomic (genome-wide) analysis for constitutional chromosomal abnormalities; interrogation of genomic regions for copy number variants, comparative genomic hybridization [CGH] microarray analysis	Non-Benefit
81229	Cytogenomic (genome-wide) analysis for constitutional chromosomal abnormalities; interrogation of genomic regions for copy number and single nucleotide polymorphism (SNP) variants, comparative genomic hybridization (CGH) microarray analysis	Non-Benefit
81230	CYP3A4 (cytochrome P450 family 3 subfamily A member 4), gene analysis, common variant(s)	Non-Benefit
81231	CYP3A5 (cytochrome P450 family 3 subfamily A member 5), gene analysis, common variants	Non-Benefit

Tier 1 Molecular Pathology Procedures (continued)

Code	Description	Benefit Restrictions
81232	DPYD (dihydropyrimidine dehydrogenase) gene analysis, common variant(s)	‹‹Requires TAR››
81234	DMPK (DM1 protein kinase) gene analysis; evaluation to detect abnormal alleles	Requires TAR, Primary Surgeon/ Provider
81239	DMPK (DM1 protein kinase) gene analysis; characterization of alleles	Requires TAR, Primary Surgeon/ Provider
81240	F2 gene analysis	Non-Benefit
81241	F5 gene analysis	Non-Benefit
81242	FANCC gene analysis	Non-Benefit
81247	G6PD (glucose-6-phosphate dehyfrogenase), gene analysis; common variant(s)	Non-Benefit
81248	G6PD (glucose-6-phosphate dehydrogenase), gene analysis; known familial variant(s)	Non-Benefit
81249	G6PD (glucose-6-phosphate dehydrogenase), gene analysis; full gene sequence	Non-Benefit
81251	GBA gene analysis	Non-Benefit
81252	GJB2 gene analysis; full gene sequence	Non-Benefit
81253	GJB2 gene analysis; known familial variants	Non-Benefit
81254	GJB6 gene analysis, common variants and 232kb	Non-Benefit
81255	HEXA gene analysis	Non-Benefit
81260	IKBKAP gene analysis, common variants	Requires TAR, Primary Surgeon/ Provider
81261	IGH@ gene rearrangement analysis; amplified methodology	Non-Benefit
81262	IGH@ gene rearrangement analysis; direct probe methodology	Non-Benefit
81263	IGH@ variable region somatic mutation analysis	Non-Benefit
81264	IGK@ gene rearrangement analysis	Non-Benefit
81271	HTT (huntingtin) gene analysis; evaluation to detect abnormal alleles	Requires TAR, Primary Surgeon/ Provider

Tier 1 Molecular Pathology Procedures (continued)

Code	Description	Benefit Restrictions
81274	HTT (huntingtin) gene analysis; characterization of alleles	Requires TAR, Primary Surgeon/ Provider
81278	IGH @/BLC2 (t(14; 18)) (eg, follicular lymphoma)translocation analysis, major breakpoint region (MBR) and minor cluster region (mcr) breakpoints, qualitative or quantitative	Requires TAR
81284	FXN (frataxin) gene analysis; evaluation to detect abnormal alleles	Requires TAR, Primary Surgeon/ Provider
81285	FXN (frataxin) gene analysis; characterization of alleles	Requires TAR, Primary Surgeon/ Provider
81286	FXN (frataxin) gene analysis; full gene sequence	Requires TAR, Primary Surgeon/ Provider
81289	FXN (frataxin) gene analysis; known familial variant(s)	Requires TAR, Primary Surgeon/ Provider
81290	MCOLN1 gene analysis	Non-Benefit
81291	MTHFR gene analysis	Non-Benefit
81293	MLH1 gene analysis; full sequence analysis	Requires TAR, Primary Surgeon/ Provider
81296	MSH2 gene analysis; known familial variants	Requires TAR, Primary Surgeon/ Provider
81299	MSH6 gene analysis; known familial variants	Requires TAR, Primary Surgeon/ Provider
81302	MECP2 gene analysis; full sequence analysis	Non-Benefit
81303	MECP2 gene analysis; known familial variant	Non-Benefit
81304	MECP2 gene analysis; duplication/deletion variants	Non-Benefit
81306	NUDT15 (nudix hydrolase 15) gene analysis, common variant(s)	Requires TAR, Primary Surgeon/ Provider
81307	PALB2 gene analysis; full gene sequence	Non-Benefit

Tier 1 Molecular Pathology Procedures (continued)

Code	Description	Benefit Restrictions
81308	PALB2 gene analysis; known familial variant	Non-Benefit
81312	PABPN1 (poly[A] binding protein nuclear 1) gene analysis, evaluation to detect abnormal alleles	Requires TAR, Primary Surgeon/ Provider
81313	PCA3/KLK3 ratio	Non-Benefit
81318	PMS2 gene analysis; known familial variants	Requires TAR, Primary Surgeon/ Provider
81321	PTEN gene analysis; full sequence analysis	Requires TAR, Primary Surgeon/ Provider
81322	PTEN gene analysis; known familial variant	Requires TAR, Primary Surgeon/ Provider
81323	PTEN gene analysis; duplication/deletion variant	Requires TAR, Primary Surgeon/ Provider
81324	PMP22 gene analysis; duplication/deletion analysis	Non-Benefit
81325	PMP22 gene analysis; full sequence analysis	Non-Benefit
81326	PMP22 gene analysis; known familial variant	Non-Benefit
81327	SEPT9 (Septin9) methylation analysis	Non-Benefit
81328	SLCO1B1 (solute carrier organic anion transporter family, member 1B1), gene analysis, common variant(s)	Non-Benefit
81330	SMPD1 gene analysis	Non-Benefit
81331	SNRPN/UBE3A methylation analysis	Requires TAR, Primary Surgeon/ Provider
81332	SERPINA1 gene analysis	Non-Benefit
81333	TGFBI (transforming growth factor beta-induced) gene analysis, common variants	Non-Benefit
81335	TPMT (thiopurine S-methyltransferase), gene analysis, common variant(s)	Requires TAR, Primary Surgeon/ Provider

Tier 1 Molecular Pathology Procedures (continued)

Code	Description	Benefit Restrictions
81336	SMN1 (survival of motor neuron 1, telomeric) gene analysis; full gene sequence	Requires TAR, Primary Surgeon/ Provider
81337	SMN1 (survival of motor neuron 1, telomeric) gene analysis; known familial sequence variant(s)	Requires TAR, Primary Surgeon/ Provider
81338	MPL (MPL proto-oncogene, thrombopoietin receptor) (eg, myeloproliferative disorder) gene analysis; common variants (eg, W515A, W515K, W515L, W515R)	Requires TAR
81339	MPL (MPL proto-oncogene, thrombopoietin receptor) (eg, myeloproliferative disorder) gene analysis; sequence analysis, exon 10	Requires TAR
81340	TRB@ gene rearrangement analysis; using amplification methodology	Requires TAR
81341	TRB@ gene rearrangement analysis; using direct probe methodology	Requires TAR
81342	TRG@ gene rearrangement analysis	Requires TAR
81343	PPP2R2B (protein phosphatase 2 regulatory subunit Bbeta) gene analysis, evaluation to detect abnormal alleles	Requires TAR, Primary Surgeon/ Provider
81344	TBP (TATA box binding protein) gene analysis, evaluation to detect abnormal alleles	Requires TAR, Primary Surgeon/ Provider
81345	TERT (telomerase reverse transcriptase) gene analysis, targeted sequence analysis	Requires TAR, Primary Surgeon/ Provider
81346	TYMS (thymidylate synthetase) gene analysis, common variant(s)	Non-Benefit
81350	UGT1A1 gene analysis	Non-Benefit
81351	TP53 (tumor protein 53) (eg, Li-Fraumeni syndrome) gene analysis; full gene sequence	Requires TAR
81352	TP53 (tumor protein 53) (eg, Li-Fraumeni syndrome) gene analysis; targeted sequence analysis (eg, 4 oncology)	Requires TAR
81353	TP53 (tumor protein 53) (eg, Li-Fraumeni syndrome) gene analysis; known familial variant	Requires TAR
81355	VKORC1 gene analysis	Non-Benefit

Tier 2 Molecular Pathology Procedures

Code	Description	Benefit Restrictions
81400	Molecular pathology procedure Level 1	Requires TAR, Primary Surgeon/ Provider
81401	Molecular pathology procedure Level 2	Requires TAR, Primary Surgeon/ Provider
81402	Molecular pathology procedure Level 3	Requires TAR, Primary Surgeon/ Provider
81403	Molecular pathology procedure Level 4	Requires TAR, Primary Surgeon/ Provider
81404	Molecular pathology procedure Level 5	Requires TAR, Primary Surgeon/ Provider
81405	Molecular pathology procedure Level 6	Requires TAR, Primary Surgeon/ Provider
81406	Molecular pathology procedure Level 7	Requires TAR, Primary Surgeon/ Provider
81407	Molecular pathology procedure Level 8	Requires TAR, Primary Surgeon/ Provider
81408	Molecular pathology procedure Level 9	Requires TAR, Primary Surgeon/ Provider
81479	Unlisted molecular pathology procedure	Requires TAR, Primary Surgeon/ Provider

Genomic Sequencing Procedures and Other Molecular Multianalyte Assays

Genomic Sequencing Procedures and Other Molecular Multianalyte Assays

Code	Description	Benefit Restrictions
81410	Aortic dysfunction or dilation; genomic sequence analysis panel, must include sequencing of at least 9 genes	Non-Benefit
81411	Aortic dysfunction or dilation; duplication/deletion analysis panel	Non-Benefit
81412	‹‹Ashkenazi Jewish associated disorders (e.g., Bloom syndrome, Canavan disease, cystic fibrosis, familial dysautonomia, Fanconi anemia group C, Gaucher disease, Tay-Sachs disease), genomic sequence analysis panel, must include sequencing of at least 9 genes, including ASPA, BLM, CFTR, FANCC, GBA, HEXA, IKBKAP, MCOLN1, and SMPD1	Requires TAR››
81415	Exome; sequence analysis	Non-Benefit
81416	Exome; sequence analysis, each comparator exome	Non-Benefit
81417	Exome; reevaluation of previously obtained exome sequence	Non-Benefit
81418	Drug metabolism (e.g., pharmacogenomics) genomic sequence analysis panel, must include testing of at least 6 genes, including CYP2C19, CYP2D6, and CYP2D6 duplication/deletion analysis	Non-Benefit
81419	Epilepsy genomic sequence analysis panel, must include analyses for ALDH7A1, CACNA1A, CDKL5, CHD2, GABRG2, GRIN2A, KCNQ2, MECP2, PCDH19, POLG, PRRT2, SCN1A, SCN1B, SCN2A, SCN8A, SLC2A1, SLC9AG, STXBP1, SYNGAP1, TCF4, TPP1, TSC1, TSC2, and ZEB2	Requires TAR
81422	Fetal chromosomal microdeletion(s) genomic sequence analysis, circulating cell-free fetal DNA in maternal blood	Non-Benefit
81425	Genome; sequence analysis	Non-Benefit †

Genomic Sequencing Procedures and Other Molecular Multianalyte Assays (continued)

Code	Description	Benefit Restrictions
81426	Genome; sequence analysis, each comparator genome	Non-Benefit †
81427	Genome; re-evaluation of previously obtained genome sequence	Non-Benefit †
81430	Hearing loss, genomic sequence analysis panel, must include sequencing of at least 60 genes	Non-Benefit
81431	Hearing loss; duplication/deletion analysis panel	Non-Benefit
81432	Hereditary breast cancer-related disorders; genomic sequence analysis panel	Requires TAR, Primary Surgeon/ Provider
81434	Hereditary retinal disorders, genomic sequence analysis panel	Requires TAR
81437	Hereditary neuroendocrine tumor disorders; genomic sequence analysis panel	Non-Benefit
81441	Inherited bone marrow failure syndromes (IBMFS) sequence analysis panel, must include sequencing of at least 30 genes	Non-Benefit
81442	Noonan spectrum disorders, genomic sequence analysis panel	Non-Benefit
81443	Genetic testing for severe inherited conditions, genomic sequence analysis panel, must include sequencing of at least 15 genes	Non-Benefit
81445	Targeted genomic sequence analysis panel, solid organ neoplasm, 5 to 50 genes: DNA analysis or combined DNA and RNA analysis	Requires TAR, Primary Surgeon/ Provider
81449	Targeted genomic sequence analysis panel, solid organ neoplasm, 5 to 50 genes: RNA analysis	Non-Benefit

Genomic Sequencing Procedures and Other Molecular Multianalyte Assays (continued)

Code	Description	Benefit Restrictions
81450	Targeted genomic sequence analysis panel, hematolymphoid neoplasm or disorder, 5 to 50 genes: DNA analysis, or combined DNA and RNA analysis	Non-Benefit
81451	Targeted genomic sequence analysis panel, hematolymphoid neoplasm or disorder, 5 to 50 genes: RNA analysis	Non-Benefit
81455	Targeted genomic sequence analysis panel, solid organ or hematolymphoid neoplasm, 51 or greater genes; DNA analysis or combined DNA and RNA analysis	Requires TAR, Primary Surgeon/ Provider
81456	Targeted genomic sequence analysis panel, solid organ or hematolymphoid neoplasm or disorder, 51 or greater genes; RNA analysis	Non-Benefit
81457	Solid organ neoplasm, genomic sequence analysis panel, interrogation for sequence variants; DNA analysis, microsatellite instability	Requires TAR
81458	Solid organ neoplasm, genomic sequence analysis panel, interrogation for sequence variants; DNA analysis, copy number variants and microsatellite instability	Requires TAR
81459	Solid organ neoplasm, genomic sequence analysis panel, interrogation for sequence variants; DNA analysis or combined DNA and RNA analysis, copy number variants, microsatellite instability, tumor mutation burden, and rearrangements	Requires TAR
81460	Whole mitochondrial genome, genomic sequence, must include sequence analysis of entire mitochondrial genome with heteroplasmy detection	Non-Benefit
81462	Solid organ neoplasm, genomic sequence analysis panel, cell-free nucleic acid (e, g., plasma), interrogation for sequence variants; DNA analysis or combined DNA and RNA analysis, copy number variants and rearrangements	Requires TAR

Genomic Sequencing Procedures and Other Molecular Multianalyte Assays (continued)

Code	Description	Benefit Restrictions
81463	Solid organ neoplasm, genomic sequence analysis panel, cell-free nucleic acid (e.g., plasma), interrogation for sequence variants; DNA analysis, copy number variants, and microsatellite instability	Non-Benefit
81464	Solid organ neoplasm, genomic sequence analysis panel, cell-free nucleic acid (e.g., plasma), interrogation for sequence variants; DNA analysis or combined DNA and RNA analysis, copy number variants, microsatellite instability, tumor mutation burden, and rearrangements	Non-Benefit
81465	Whole mitochondrial genome large deletion analysis panel, including heteroplasmy detection, if performed	Non-Benefit
81470	X-linked intellectual disability (XLID); genomic sequence analysis panel, must include sequencing of at least 60 genes	Non-Benefit
81471	X-linked intellectual disability (XLID); duplication/deletion gene analysis, must include analysis of at least 60 genes	Non-Benefit

Multianalyte Assays with Algorithmic Analyses

Multianalyte Assays with Algorithmic Analyses

Code	Description	Benefit Restrictions
81490	Autoimmune, analysis of 12 biomarkers using immunoassays	Non-Benefit
81493	Coronary artery disease, mRNA, gene expression profiling by real-time RT-PCR of 23 genes	Non-Benefit
81504	Oncology, microarray gene expression profiling of 2,000 genes or more	Non-Benefit

Multianalyte Assays with Algorithmic Analyses (continued)

Code	Description	Benefit Restrictions
81518	Oncology (breast), mRNA, gene expression profiling by real-time RT-PCR of 11 genes, utilizing formalin-fixed paraffin-embedded tissue, algorithms reported as percentage risk for metastatic recurrence and likelihood of benefit from extended endocrine therapy	Requires TAR, Primary Surgeon/ Provider
81519	Oncology (breast), mRNA, gene expression profiling by real-time RT-PCR of 21 genes	Requires TAR, Primary Surgeon/ Provider
81522	Oncology (breast), mRNA, gene expression profiling by RT-PCR of 12 genes, utilizing formalin-fixed paraffin-embedded tissue, algorithm reported as recurrence risk score	Requires TAR, Primary Surgeon/ Provider
81523	Oncology (breast), mRNA, next-generation sequencing gene expression profiling of 70 content genes and 31 housekeeping genes, utilizing formalin-fixed paraffin-embedded tissue, algorithm reported as index related to risk to distant metastasis	Requires TAR
81525	Oncology (colon), mRNA, gene expression profiling by real-time RT-PCT of 12 genes, utilizing formalin fixed paraffin-embedded tissue	Non-Benefit
81529	Oncology (cutaneous melanoma), mRNA, gene expression profiling by real-time RT-PCR of 31 genes (28 content and 3 housekeeping), utilizing formalin-fixed paraffin-embedded tissue, algorithm reported as recurrence risk, including likelihood of sentinel lymph node metastasis	Non-Benefit
81535	Oncology (gynecologic), live tumor cell culture and chemotherapeutic response by DAPI stain and morphology; first single drug or drug combination	Non-Benefit
81536	Oncology (gynecologic), live tumor cell culture and chemotherapeutic response by DAPI stain and morphology; each additional single drug or drug combination	Non-Benefit

Multianalyte Assays with Algorithmic Analyses (continued)

Code	Description	Benefit Restrictions
81538	Oncology (lung), mass spectrometric 8-protein signature	Non-Benefit
81539	Oncology (high-grade prostate cancer), biochemical assay of four proteins	Non-Benefit
81540	Oncology (tumor of unknown origin), mRNA, gene expression profiling by real-time RT-PCT of 92 genes	Non-Benefit
81541	Oncology (prostate), mRNA gene expression profiling by real-time RT-PCR of 46 genes, utilizing formalin-fixed paraffin-embedded tissue, algorithm reported as a disease-specific mortality risk score	Requires TAR, Primary Surgeon/ Provider
81542	Oncology (prostate), mRNA, microarray gene expression profiling of 22 content genes, utilizing formalin-fixed paraffin-embedded tissue, algorithm reported as metastasis risk score	Requires TAR, Primary Surgeon/ Provider
81546	Oncology (thyroid), mRNA, gene expression analysis of 10,196 genes, utilizing fine needle aspirate, algorithm reported as a categorical result (eg, benign or suspicious)	Requires TAR
81551	Oncology (prostate), promoter methylation profiling by real-time PCR of 3 genes, utilizing formalin-fixed paraffin-embedded tissue, algorithm reported as a likelihood of prostate cancer detection on repeat biopsy	Non-Benefit
81554	Pulmonary disease (idiopathic pulmonary fibrosis [IPF]), mRNA, gene expression analysis of 190 genes, utilizing transbronchial biopsies, diagnostic algorithm reported as categorical result (eg, positive or negative for high probability of usual interstitial pneumonia [UIP])	Non-Benefit
‹‹81558	Transplantation medicine (allograft rejection, kidney), mRNA, gene expression profiling by quantitative polymerase chain reaction (qPCR) of 139 genes, utilizing whole blood, algorithm reported as a binary categorization as transplant excellence, which indicates immune quiescence, or not transplant excellence, indicating subclinical rejection	Non-Benefit››
81599	Unlisted multianalyte assay with algorithmic analysis	Requires TAR, Primary Surgeon/ Provider

Chemistry

Chemistry

Code	Description	Benefit Restrictions
82075	Alcohol (ethanol); breath	Non-Benefit
82166	Anti-mullerian hormone (AMH)	Requires TAR
82190	Atomic absorption spectroscopy, each analyte	Non-Benefit
‹‹82233	Beta-amyloid; 1-40 (Abeta 40)	Requires TAR
82234	Beta-amyloid; 1-42 (Abeta 42)	Requires TAR››
82757	Fructose, semen	Non-Benefit
82777	Galectin-3	Non-Benefit
83006	Growth stimulation expressed gene 2	Non-Benefit
‹‹83884	Neurofilament light chain (NfL)	Non-Benefit››
83937	Osteocalcin	Non-Benefit
83950	Oncoprotein, HER-2/neu	Non-Benefit
84112	Evaluation of cervicovaginal fluid for specific amniotic fluid protein(s), qualitative, each specimen	Non-Benefit
‹‹84393	Tau, phosphorylated (eg, pTau 181, pTau 217), each	Requires TAR
84394	Tau, total (tTau)	Requires TAR››
84431	Thromboxane metabolite(s), including thromboxane if performed, urine	Non-Benefit
84433	Thiopurine S-methyltransferase (TPMT)	Non-Benefit
84449	Transcortin	Non-Benefit
84586	Vasoactive intestinal peptide	Non-Benefit

Immunology

Immunology

Code	Description	Benefit Restrictions
86005	Allergen specific IgE; qualitative, multiallergen screen	Non-Benefit
86152	Cell enumeration using immunologic selection and identification in fluid specimen	Non-Benefit
86153	Cell enumeration using immunologic selection and identification in fluid specimen; physician interpretation and report	Non-Benefit
86352	Cellular function assay involving stimulation and detection of biomarker	Non-Benefit
86386	Nuclear matrix Protein 22, qualitative	Non-Benefit
‹‹86581	Streptococcus pneumoniae antibody (IgG), serotypes, multiplex immunoassay, quantitative	Requires TAR››

Transfusion Medicine

Transfusion Medicine

Code	Description	Benefit Restrictions
86890	Autologous blood or component, collection processing and storage; predeposited	Non-Benefit
86891	Autologous blood or component, collection processing and storage; intra- or postoperative	Non-Benefit
86910	Blood typing; for paternity testing; ABO, Rh and MN, per individual	Non-Benefit
86911	Blood typing, for paternity testing; each additional antigen system	Non-Benefit
86950	Leukocyte transfusion	Non-Benefit
86965	Pooling of platelets or other blood products	Non-Benefit
86985	Splitting of blood or blood products, each unit	Non-Benefit

Microbiology

Microbiology

Code	Description	Benefit Restrictions
87468	Infectious agent detection by nucleic acid (DNA or RNA); Anaplasma phagocytophilum, amplified probe technique	Non-Benefit
87478	Infectious agent detection by nucleic acid (DNA or RNA); Borrelia miyamotoi, amplified probe technique	Non-Benefit
87484	Infectious agent detection by nucleic acid (DNA or RNA); Ehrlichia chaffeensis, amplified probe technique	Non-Benefit
‹‹87513	Infectious agent detection by nucleic acid (DNA or RNA); Helicobacter pylori (H. pylori), clarithromycin resistance, amplified probe technique	Non-Benefit››
87623	Human papillomavirus (HPV), low risk types (eg., 6, 11, 42, 43, 44)	Non-Benefit

Atomic Pathology

Postmortem Examination

Code	Description	Benefit Restrictions
88000	Autopsy, gross; without CNS	Non-Benefit
88005	Autopsy, gross; with brain	Non-Benefit
88007	Autopsy, gross; with brain and spinal cord	Non-Benefit
88012	Autopsy, gross; infant with brain	Non-Benefit
88014	Autopsy, gross; stillborn with brain	Non-Benefit
88016	Autopsy; macerated stillborn	Non-Benefit
88020	Autopsy, gross and microscopic; without CNS	Non-Benefit
88025	Autopsy; with brain	Non-Benefit
88027	Autopsy; with brain and spinal cord	Non-Benefit
88028	Autopsy; infant with brain	Non-Benefit
88029	Autopsy; stillborn with brain	Non-Benefit
88036	Autopsy, limited; regional	Non-Benefit
88037	Autopsy, limited; single organ	Non-Benefit
88040	Autopsy; forensic examination	Non-Benefit
88045	Autopsy; coroner’s call	Non-Benefit
88099	Unlisted autopsy procedure	Non-Benefit

Cytopathology

Cytopathology

Code	Description	Benefit Restrictions
88125	Cytopathology, forensic	Non-Benefit

In Vivo Laboratory Procedures

In Vivo Laboratory Procedures

Code	Description	Benefit Restrictions
88738	Hemoglobin, quantitative, transcutaneous	Non-Benefit
88749	Unlisted in vivo (eg, transcutaneous) laboratory service	Requires TAR, Primary Surgeon/ Provider

Reproductive Medicine Procedures

Reproductive Medicine Procedures

Code	Description	Benefit Restrictions
89250	Culture of oocyte(s)/embryo(s), less than 4 days	Non-Benefit
89251	Culture of oocyte(s)/embryo(s), less than 4 days; with co-culture	Non-Benefit
89253	Assisted embryo hatching, microtechniques	Non-Benefit
89254	Oocyte identification from follicular fluid	Non-Benefit
89255	Preparation of embryo for transfer	Non-Benefit
89257	Sperm identification from aspiration (other than seminal fluid)	Non-Benefit
89258	Cryopreservation; embryo(s)	Non-Benefit
89259	Cryopreservation; sperm	Non-Benefit
89260	Sperm isolation; simple prep for insemination or diagnosis with semen analysis	Non-Benefit
89261	Sperm isolation; complex prep for insemination or diagnosis with semen analysis	Non-Benefit
89264	Sperm identification from testis tissue, fresh or cryopreserved	Non-Benefit
89268	Insemination of oocytes	Non-Benefit
89272	Extended culture of oocyte(s)/embryo(s), four to seven days	Non-Benefit
89280	Assisted oocyte fertilization; equal to or less than 10 oocytes	Non-Benefit
89281	Assisted oocyte fertilization; less than10 oocytes	Non-Benefit
89290	Biopsy; equal to or less than 5embryos	Non-Benefit
89291	Biopsy; greater than five embryos	Non-Benefit
89300	Semen analysis; presence and/or motility of sperm	Non-Benefit
89310	Semen analysis; motility and count	Non-Benefit
89320	Semen analysis; complete	Non-Benefit
89321	Semen analysis; presence and/or motility of sperm	Non-Benefit
89322	Semen analysis; volume, count, motility, and differential using strict morphologic criteria	Non-Benefit
89325	Sperm antibodies	Non-Benefit
89329	Sperm evaluation	Non-Benefit
89330	Sperm evaluation; cervical mucus penetration test	Non-Benefit

Reproductive Medicine Procedures (continued)

Code	Description	Benefit Restrictions
89331	Sperm evaluation, for retrograde ejaculation, urine (sperm concentration, motility, and morphology, as indicated)	Non-Benefit
89335	Cryopreservation, testicular tissue	Non-Benefit
89337	Cryopreservation, mature oocyte(s)	Non-Benefit
89342	Storage, (per year); embryo(s)	Non-Benefit
89343	Storage, (per year); sperm/semen	Non-Benefit
89344	Storage, (per year); testicular/ovarian tissue	Non-Benefit
89346	Storage, (per year); oocyte(s)	Non-Benefit
89352	Thawing of cryopreserved; embryo(s)	Non-Benefit
89353	Thawing of cryopreserved; sperm/semen	Non-Benefit
89354	Thawing of cryopreserved; testicular/ovarian tissue	Non-Benefit
89356	Thawing of cryopreserved; oocytes	Non-Benefit
89398	Unlisted reproductive medicine laboratory procedure	Requires TAR, Primary Surgeon/ Provider

Legend

Symbols used in the document above are explained in the following table.

Symbol	Description
‹‹	This is a change mark symbol. It is used to indicate where on the page the most recent change begins.
››	This is a change mark symbol. It is used to indicate where on the page the most recent change ends.
†	Per Assembly Bill (AB) 133, Rapid Whole Genome Sequencing, including individual sequencing, trio sequencing for a parent or parents and their baby, and ultra-rapid sequencing, is a covered benefit for any Medi-Cal beneficiary who is one year of age or younger and is receiving inpatient hospital services in an intensive care unit. These codes cannot be used for the purpose of inpatient billing as inpatient laboratory services are bundled under DRG or per diem payment. For inpatient billing, please refer to *Diagnosis Related Group Hospital Inpatient Payment Methodology*.