Molecular pathology, genomic sequencing and other molecular multianalyte assays procedure code correlation chart.

The information provided below is intended as a reference for Molecular Pathology Tier 1 codes. For complete information related to Medi-Cal's policies on Molecular Pathology, including Tier 2 procedures, Levels 1-8 and TAR requirements, please refer to Medi-Cal.CA.gov to access the provider manual. This information is reflected in Part 2 of the manual under General Medicine, Pathology: Molecular Pathology (path molec). This diagnosis code reference guide is provided as an aid to physicians and office staff. Diagnosis codes or test codes must be applicable to the patient's symptoms or conditions and must be consistent with the documentation in the patient's medical record. The CPT codes provided are based on AMA guidelines and are for informational purposes only. CPT coding is the sole responsibility of the billing party. Please direct any questions regarding coding to the payer being billed. Updated July 2019.

CPT-4 code	Code description	TAR	TAR and/or billing requirements	Frequency
81120	IDH1 (isocitrate dehydrogenase 1 [NADP+], soluble), common variants	NO	One of the following ICD-10-CM codes is required on the claim (except with valid TAR): **C71.0 – C71.9 or C92.00 – C92.02**	Once-in-a-lifetime
81121	IDH2 (isocitrate dehydrogenase 2 [NADP+], mitochondrial), common variants	NO	One of the following ICD-10-CM codes is required on the claim (except with valid TAR): **C71.0 – C71.9 or C92.00 – C92.02**	Once-in-a-lifetime
81161	DMD (dystrophin) deletion analysis, and duplication analysis, if performed	NO	ICD-10-CM diagnosis code **G71.0** (muscular dystrophy) is required on the claim.	Once-in-a-lifetime
81162	BRCA1, BRCA2 gene analysis; full sequence analysis and full duplication/deletion analysis	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime
81163	BRCA1 (BRCA1, DNA repair associated), BRCA2 (BRCA2, DNA repair associated) gene analysis; full sequence analysis	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime
81164	BRCA1 (BRCA1, DNA repair associated), BRCA2 (BRCA2, DNA repair associated) gene analysis; full duplication/deletion analysis	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime
81165	BRCA1 (BRCA1, DNA repair associated) gene analysis; full sequence analysis	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime
81166	BRCA1 (BRCA1, DNA repair associated) gene analysis; full duplication/deletion analysis	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime
81167	BRCA2 (BRCA2, DNA repair associated) gene analysis; full duplication/deletion analysis	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime
81170	ALB1 gene analysis, variants in the kinase domain	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements.*	Once-in-a-lifetime
81171	AFF2 (AF4/FMR2 family, member 2 [FMR2]) gene analysis evaluation to detect abnormal alleles	NO	One of the following ICD-10-CM diagnosis codes is required on the claim (except with valid TAR including frequency limit override): **F70, F71, F80.0 – F89, H93.25, R48.0, R62.0 – R62.59, F82, F88, R48.2**	Once-in-a-lifetime
81172	AFF2 (AF4/FMR2 family, member 2 [FMR2]) gene analysis; characterization of alleles	NO	One of the following ICD-10-CM diagnosis codes is required on the claim (except with valid TAR including frequency limit override): **F70, F71, F80.0 – F89, H93.25, R48.0, R62.0 – R62.59, F82, F88, R48.2**	Once-in-a-lifetime

*Complete TAR information is available in the Pathology: Molecular Pathology section of the Medi-Cal Provider Manual

CPT-4 code	Code description	TAR	TAR and/or billing requirements	Frequency
81173	AR (androgen receptor) gene analysis; full gene sequence	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime
81174	AR (androgen receptor) gene analysis; known familial variant	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime
81175	ASXL gene analysis, full gene sequence	NO	One of the following ICD-10-CM codes is required on the claim (except with valid TAR): **C93.10 – C93.12, D46.0 – D46.C, D47.1**	Once-in-a-lifetime
81176	ASXL gene analysis, targeted sequence analysis	NO	One of the following ICD-10-CM codes is required on the claim (except with valid TAR): **C93.10 – C93.12, D46.0 – D46.C, D47.1**	Once-in-a-lifetime
81177	ATN1 (atrophin 1) gene analysis, evaluation to detect abnormal alleles	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime
81178	ATXN1 (ataxin 1) gene analysis, evaluation to detect abnormal alleles	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime
81179	ATXN2 (ataxin 2) gene analysis, evaluation to detect abnormal alleles	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime
81180	ATXN3 (ataxin 3) gene analysis, evaluation to detect abnormal alleles	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime
81181	ATXN7 (ataxin 7) gene analysis, evaluation to detect abnormal alleles	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime
81182	ATXN8OS (ATXN8 opposite strand [non-protein coding]) gene analysis, evaluation to detect abnormal	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime
81183	ATXN10 (ataxin 10) gene analysis, evaluation to detect abnormal alleles	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime
81184	CACNA1A (calcium voltage-gated channel subunit alpha1 A) gene analysis; evaluation to detect abnormal alleles	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime
81185	CACNA1A (calcium voltage-gated channel subunit alpha1 A) gene analysis; full gene sequence	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime
81186	CACNA1A (calcium voltage-gated channel subunit alpha1 A) gene analysis; known familial variant	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime
81187	CNBP (CCHC-type zinc finger nucleic acid binding protein) gene analysis, evaluation to detect abnormal alleles	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime
81188	CSTB (cystatin B) gene analysis; evaluation to detect abnormal alleles	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime
81189	CSTB (cystatin B) gene analysis; full gene sequence	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime
81190	CSTB (cystatin B) gene analysis; known familial variant(s)	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime

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CPT-4 code	Code description	TAR	TAR and/or billing requirements	Frequency
81201	APC gene analysis; full gene sequence	NO	One of the following ICD-10-CM codes is required on the claim: **C18.0 – C18.9, D12.0 – D12.9, K63.5, Z86.010**	Once-in-a-lifetime
81202	APC gene analysis; known familial variants	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements.*	Once-in-a-lifetime
81203	APC gene analysis; duplication/deletion variants	NO	One of the following ICD-10-CM codes is required on the claim: **C18.0 – C18.9, D12.0 – D12.9, K63.5, Z86.010**	Once-in-a-lifetime
81204	AR (androgen receptor) gene analysis; characterization of alleles	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime
81206	BCR/ABL1 translocation analysis; major breakpoint	NO	One of the following ICD-10-CM codes is required on the claim: **C91.00 – C91.02 or C92.10 – C92.12**	N/A
81207	BCR/ABL1 translocation analysis; minor breakpoint	NO	One of the following ICD-10-CM codes is required on the claim: **C91.00 – C91.02 or C92.10 – C92.12**	N/A
81208	BCR/ABL1 translocation analysis; other breakpoint	NO	One of the following ICD-10-CM codes is required on the claim: **C91.00 – C91.02 or C92.10 – C92.12**	N/A
81210	BRAF (B-Raf proto-oncogene, serine/threonine kinase), gene analysis, V600 variant(s)	NO	One of the following ICD-10-CM codes is required on the claim: **C18.0 – C18.9, C19, C20, C43.0 – C43.9, C79.2 or D03.0 – D03.9**	Once-in-a-lifetime
81211	BRCA1, BRCA2 gene analysis; full sequence analysis	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime
81211	(Reflex BRCA1, BRCA2 gene analysis billed with modifier QP)	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements.*	Once-in-a-lifetime
81212	BRCA1, BRCA2 gene analysis; variants	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements.*	Once-in-a-lifetime
81215	BRCA1 (breast cancer 1) gene analysis; known familial variant	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime
81216	BRCA2 (breast cancer 2) gene analysis; full sequence analysis	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime
81217	BRCA2 (breast cancer 2) gene analysis; known familial variant	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime
81218	CEBPA (CCAAT/enhancer binding protein [C/EBP], alpha) gene analysis, full gene sequence	NO	One of the following ICD-10-CM codes is required on the claim: **C92.00 – C92.02, C92.40 – C92.42 or C92.50 – C92.52**	Once-in-a-lifetime
81219	CALR (calreticulin) gene analysis, common variants in exon 9	NO	One of the following ICD-10-CM codes is required on the claim: **C92.10 – C92.12, D45, D47.3 or D75.81**	Once-in-a-lifetime
81220	CFTR (cystic fibrosis transmembrane conductance regulator) gene analysis; common variants	NO	**When used to bill for cystic-fibrosis screening requires ICD-10-CM code Z31.430 or Z31.440** Not reimbursable with code 81224 for same date of service, recipient and provider. Refer to policy.	Once-in-a-lifetime
81233	BTK (Bruton's tyrosine kinase) gene analysis, common variants	NO	One of the following ICD-10-CM diagnosis codes is required on the claim (except with valid TAR including frequency limit override): **D80.0 – D80.6, C91.10 – C91.12, C83.00 – C83.09**	Once-in-a-lifetime
81234	DMPK (DM1 protein kinase) gene analysis; evaluation to detect abnormal alleles	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime

CPT-4 code	Code description	TAR	TAR and/or billing requirements	Frequency
81235	EGFR (epidermal growth factor receptor) gene analysis, common variants	NO	One of the following ICD-10-CM codes is required on the claim: **C33, C34.00 – C34.92**	Once-in-a-lifetime
81236	EZH2 (enhancer of zeste 2 polycomb repressive complex 2 subunit) gene analysis, full gene sequence	NO	One of the following ICD-10-CM codes is required on the claim (except with valid TAR): **D47.1, D47.3, C83.30 – C83.39**	N/A
81237	EZH2 (enhancer of zeste 2 polycomb repressive complex 2 subunit) gene analysis, common variant(s)	NO	One of the following ICD-10-CM codes is required on the claim (except with valid TAR): **D47.1, D47.3, C83.30 – C83.39**	N/A
81238	F9 (coagulation factor IX) full gene analysis sequence	NO	ICD-10-CM code **D67** is required on the claim (except with valid TAR)	Once-in-a-lifetime
81239	DMPK (DM1 protein kinase) gene analysis; characterization of alleles	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime
81243	FMR1 (fragile X mental retardation 1) gene analysis; evaluation to detect abnormal elleles	NO	One of the following ICD-10-CM codes is required on the claim: **F70, F71 – F73, F78, F80.0 – F84.2, F88, F89, H93.25, R48.2, R62.0, R62.50 – R62.59**	Once-in-a-lifetime
81244	FMR1 (fragile X mental retardation 1) gene analysis; characterization of elleles	NO	One of the following ICD-10-CM codes is required on the claim: **F70, F71 – F73, F78, F80.0 – F84.2, F88, F89, H93.25, R48.2, R62.0, R62.50 – R62.59**	Once-in-a-lifetime
81245	FLT3 (fms-related tyrosine kinase 3), gene analysis; internal tandem duplication (ITD) variants	NO	One of the following ICD-10-CM codes is required on the claim: **C92.00 – C92.02, C92.60 – C92.62 or C92.A0 – C92.A2**	Once-in-a-lifetime
81246	FLT3 (fms-related tyrosine kinase 3), gene analysis; tyrosine kinase domain (TKD) variants	NO	One of the following ICD-10-CM codes is required on the claim: **C92.00 – C92.02, C92.60 – C92.62 or C92.A0 – C92.A2**	Once-in-a-lifetime
81250	G6PC (glucose-6-phosphatase, catalytic subunit) gene analysis, common variants	YES	The patient has clinical features suspicious for, or requires the laboratory service as a diagnostic test for glycogen storage disease, type 1a.*	Once-in-a-lifetime
81256	HFE (hemochromatosis) gene analysis, common variants	NO	One of the following ICD-10-CM codes is required on the claim: **E83.10, E83.110 or E83.118 – E83.119**	Once-in-a-lifetime
81257	HBA1/HBA2 (alpha globin 1 and alpha globin 2), gene analysis; common deletions or variant	NO	N/A	Once-in-a-lifetime
81258	HBA1/HBA2 (alpha globin 1 and alpha globin 2), gene analysis; known familial variant	NO	N/A	Once-in-a-lifetime
81259	HBA1/HBA2 (alpha globin 1 and alpha globin 2), gene analysis; full gene sequence	NO	N/A	Once-in-a-lifetime
81260	IKBKAP (inhibitor of kappa light polypeptide gene enhancer in B-cells, kinas complex-associated protein) gene analysis, common variants	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements.*	Once-in-a-lifetime
81265	Comparative analysis using Short Tandem Repeat markers	NO	One of the following ICD-10-CM codes is required on the claim: **C81.00 – C96.9, D45, T86.00 – T86.09 or T86.5**	Once-in-a-lifetime

CPT-4 code	Code description	TAR	TAR and/or billing requirements	Frequency
81266	Comparative analysis using Short Tandem Repeat markers; each additional specimen	NO	One of the following ICD-10-CM codes is required on the claim: **C81.00 – C96.9, D45, T86.00 – T86.09 or T86.5**	Once-in-a-lifetime
81267	Chimerism (engraftment) analysis, post transplantation specimen; without cell selection	NO	One of the following ICD-10-CM codes is required on the claim: **T86.01, T86.02, T86.09 or T86.5**	N/A
81268	Chimerism (engraftment) analysis, post transplantation specimen; with cell selection	NO	One of the following ICD-10-CM codes is required on the claim: **T86.01, T86.02, T86.09 or T86.5**	N/A
81269	HBA1/HBA2 (alpha globin 1 and alpha globin 2), gene analysis; duplication/deletion variants	NO	N/A	Once-in-a-lifetime
81270	JAK2 (Janus kinase 2) gene analysis, p. Val617Phe (V617F) variant	NO	One of the following ICD-10-CM codes is required on the claim: **C91.00 – C91.02, D45, D47.1 or D47.3**	Once-in-a-lifetime
81271	HTT (huntingtin) gene analysis; evaluation to detect abnormal alleles	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime
81272	KIT (v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog), gene analysis, targeted sequence analysis	NO	One of the following ICD-10-CM codes is required on the claim: **C43.70, C92.00 – C92.02, C92.40 – C92.42, C92.50 – C92.52, D03.70 – D03.72 or D48.1**	Once-in-a-lifetime
81273	KIT (v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog), gene analysis, D816 variant(s)	NO	One of the following ICD-10-CM codes is required on the claim: **C96.20 – C96.29**	Once-in-a-lifetime
81274	HTT (huntingtin) gene analysis; characterization of alleles	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime
81275	KRAS (Kirsten rat sarcoma viral oncogene homolog) gene analysis; variants in exon 2	NO	One of the following ICD-10-CM codes is required on the claim: **C18.0 – C20, D01.1, D01.2, D01.40, D01.49, D37.4 or D37.5**	Once-in-a-lifetime
81276	KRAS (Kristen rat sarcoma viral oncogene homolog) gene analysis; additional variant(s)	NO	One of the following ICD-10-CM codes is required on the claim: **C18.0, C18.2 – C20, D01.1, D01.2, D01.40, D01.49, D37.4 or D37.5**	Once-in-a-lifetime
81283	IFNL3 (interferon, lambda 3), gene analysis, rs12979860 variant	NO	ICD-10-CM code **B18.2** is required on the claim (except with valid TAR)	Once-in-a-lifetime
81284	FXN (frataxin) gene analysis; evaluation to detect abnormal alleles	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime
81285	FXN (frataxin) gene analysis; characterization of alleles	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime
81286	FXN (frataxin) gene analysis; full gene sequence	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime
81287	MGMT (0-6 methylguanin-DNA methyltransferase) methylation analysis	YES	Document on the TAR: •The patient has the diagnosis of glioblastoma multiforme, and •Treatment strategy will be contingent on the test results.*	Once-in-a-lifetime any provider

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CPT-4 code	Code description	TAR	TAR and/or billing requirements	Frequency
81288	MLH1 gene analysis; promoter methylation analysis	YES	Document the following criteria on the TAR: •Patient with colon cancer, and •The tumor demonstrates microsatellite instability or immunohistochemistry results indicating loss of MLH1 protein expression.*	Once-in-a-lifetime
81289	FXN (frataxin) gene analysis; known familial variant(s)	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime
81292	MLH1 (mutL homolog 1, colon cancer, nonpolyposis type 2) gene analysis; full sequence analysis	NO	One of the following ICD-10-CM codes is required on the claim: **C17.0 – C20, C24.0 – C25.9, C54.0 – C54.9, C65.1 – C66.9, C71.0 – C71.9, D23.0 – D23.9, Z80.0, Z80.49, Z85.030, Z85.038, Z85.040, Z85.048, Z85.42**	Once-in-a-lifetime
81293	MLH1 (mutL homolog 1, colon cancer, nonpolyposis type 2) gene analysis; known familial variants	YES	Document on the TAR family history of Lynch Syndrome that includes a relative with a known deleterious MLH1 mutation.*	Once-in-a-lifetime
81294	MLH1 (mutL homolog 1, colon cancer, nonpolyposis type 2) gene analysis; duplication/deletion variants	NO	One of the following ICD-10-CM codes is required on the claim: **C17.0 – C20, C24.0 – C25.9, C54.0 – C54.9, C65.1 – C66.9, C71.0 – C71.9, D23.0 – D23.9, Z80.0, Z80.49. Z85.030, Z85.038, Z85.040, Z85.048, Z85.42**	Once-in-a-lifetime
81295	MSH2 (mutS homolog 2, colon cancer, nonpolyposis type 1) gene analysis; full sequence analysis	NO	One of the following ICD-10-CM codes is required on the claim: **C17.0 – C20, C24.0 – C25.9, C54.0 – C54.9, C65.1 – C66.9, C71.0 – C71.9, D23.0 – D23.9, Z80.0, Z80.49, Z85.030, Z85.038, Z85.040, Z85.048, Z85.42**	Once-in-a-lifetime
81296	MSH2 (mutS homolog 2, colon cancer, nonpolyposis type 1) gene analysis; known familial variants	YES	Document on the TAR family history of Lynch Syndrome that includes a relative with a known deleterious MSH2 mutation.*	Once-in-a-lifetime
81297	MSH2 (mutS homolog 2, colon cancer, nonpolyposis type 1) gene analysis; duplication/deletion variants	NO	One of the following ICD-10-CM codes is required on the claim: **C17.0 – C20, C24.0 – C25.9, C54.0 – C54.9, C65.1 – C66.9, C71.0 – C71.9, D23.0 – D23.9, Z80.0, Z80.49. Z85.030, Z85.038, Z85.040, Z85.048, Z85.42**	Once-in-a-lifetime
81298	MSH6 (mutS homolog 6 [E. coli]) gene analysis; full sequence analysis	NO	One of the following ICD-10-CM codes is required on the claim: **C17.0 – C20, C24.0 – C25.9, C54.0 – C54.9, C65.1 – C66.9, C71.0 – C71.9, D23.0 – D23.9, Z80.0, Z80.49, Z85.030, Z85.038, Z85.040, Z85.048, Z85.42**	Once-in-a-lifetime
81299	MSH6 (mutS homolog 6 [E. coli]) gene analysis; known familial variants	YES	Document on the TAR family history of Lynch Syndrome that includes a relative with a known deleterious MSH6 mutation. *	Once-in-a-lifetime
81300	MSH6 (mutS homolog 6 [E. coli]) gene analysis; duplication/deletion variants	NO	One of the following ICD-10-CM codes is required on the claim: **C17.0 – C20, C24.0 – C25.9, C54.0 – C54.9, C65.1 – C66.9, C71.0 – C71.9, D23.0 – D23.9, Z80.0, Z80.49. Z85.030, Z85.038, Z85.040, Z85.048, Z85.42**	Once-in-a-lifetime
81301	Microsatellite instability analysis of markers for mismatch repair deficiency, includes comparison of neoplastic and normal tissue, if performed	NO	Reimbursable for patients who meet one of the following criteria: the patient is diagnosed with one of the Lynch syndrome-associated cancers; or, the patient is diagnosed with an unresectable or metastatic solid tumor and the treatment will be contingent on the test result.	Once-in-a-lifetime
81305	MYD88 (myeloid differentiation primary response 88) (gene analysis, p.Leu265Pro (L265P) variant	NO	The following ICD-10-CM code is required on the claim (except with valid TAR): **C88.0**	Once-in-a-lifetime

CPT-4 code	Code description	TAR	TAR and/or billing requirements	Frequency
81306	NUDT15 (nudix hydrolase 15) gene analysis, common variant(s)	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime
81310	NPM1 (nucleophosmin) gene analysis, exon 12 variants	NO	One of the following ICD-10-CM codes is required on the claim: **C92.00 – C92.02** (**frequency exception with valid TAR override)	Once-in-a-lifetime **
81311	NRAS (neuroblastoma RAS viral [v-ras] oncogene homolog) gene analysis, variants in exon 2 and exon 3	NO	One of the following ICD-10-CM codes is required on the claim: **C18.0, C18.2 – C20, D01.1, D01.2, D01.40, D01.49, D37.4 or D37.5**	Once-in-a-lifetime
81312	PABPN1 (poly[A] binding protein nuclear 1) gene analysis, evaluation to detect abnormal alleles	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime
81314	PDGFRA (platelet-derived growth factor receptor, alpha polypeptide), gene analysis, targeted sequence analysis	NO	ICD-10-CM code **D48.1** is required on the claim.	Once-in-a-lifetime
81315	PML/RAR-alpha (promyelocytic leukemia/retinoic acid receptor alpha) translocation analysis; common breakpoints	NO	One of the following ICD-10-CM codes is required on the claim: **C92.40 – C92.42**	N/A
81316	PML/RAR-alpha (promyelocytic leukemia/retinoic acid receptor alpha) translocation analysis; single breakpoint	NO	One of the following ICD-10-CM codes is required on the claim: **C92.40 – C92.42**	N/A
81317	PMS2 (postmeiotic segregation increased 2 [S. cerevisiae]) gene analysis; full sequence analysis	NO	One of the following ICD-10-CM codes is required on the claim: **C17.0 – C20, C24.0 – C25.9, C54.0 – C54.9, C65.1 – C66.9, C71.0 – C71.9, D23.0 – D23.9, Z80.0, Z80.49, Z85.030, Z85.038, Z85.040, Z85.048, Z85.42**	Once-in-a-lifetime
81318	PMS2 (postmeiotic segregation increased 2 [S. cerevisiae]) gene analysis; known familial variants	YES	Document on the TAR family history of Lynch Syndrome that includes a relative with a known deleterious PMS2 mutation. *	Once-in-a-lifetime
81319	PMS2 (postmeiotic segregation increased 2 [S. cerevisiae]) gene analysis; duplication/deletion variants	NO	One of the following ICD-10-CM codes is required on the claim: **C17.0 – C20, C24 - C25.9, C54.0 – C54.9, C65.1 - C66.0, C71.0 - C 71.9, D23.0 - D23.9, Z80.0, Z80.49. Z85.030, Z85.038, Z85.040, Z85.048, Z85.42**	Once-in-a-lifetime
81320	PLCG2 (phospholipase C gamma 2) gene analysis, common variants	NO	One of the following ICD-10-CM codes is required on the claim (except with a valid TAR): **C91.10 – C91.12**	Once-in-a-lifetime
81321	PTEN (phosphatase and tensin homolog) gene analysis; full sequence analysis	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements.*	Once-in-a-lifetime
81322	PTEN gene analysis; known familial variant	YES	Requires documentation on the TAR that patient is from a family with a known PTEN mutation.*	Once-in-a-lifetime
81323	PTEN gene analysis; duplication/deletion variant	YES	Requires documentation on the TAR of a negative result in the full sequence analysis in PTEN (CPT-4 code 81321), and that patient meets one or more criteria listed under code 81321.*	Once-in-a-lifetime

CPT-4 code	Code description	TAR	TAR and/or billing requirements	Frequency
81329	SMN1 (survival of motor neuron 1, telomeric) gene analysis; dosage/deletion analysis, includes SMN2 (survival of motor neuron 2, centromeric) analysis, if performed	NO	One of the following ICD-10-CM diagnosis codes is required on the claim (except with valid TAR): **Z31.430 or Z31.440**	Once-in-a-lifetime except with valid TAR override
81331	SNRPN/UBE3A methylation analysis	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements.*	Once-in-a-lifetime
81334	RUNX1 (runt related transcription factor 1), gene analysis, targeted sequence analysis	NO	One of the following ICD-10-CM codes is required on the claim (except with valid TAR): **C92.00 – C92.02, C92.40 – C92.A2**	Once-in-a-lifetime
81335	TPMT (thiopurine S-methyltransferase), gene analysis, common variants	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements.*	Once-in-a-lifetime
81336	SMN1 (survival of motor neuron 1, telomeric) gene analysis; full gene sequence	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements.*	Once-in-a-lifetime
81337	SMN1 (survival of motor neuron 1, telomeric) gene analysis; known familial sequence variant(s)	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime
81343	PPP2R2B (protein phosphatase 2 regulatory subunit Bbeta) gene analysis, evaluation to detect abnormal alleles	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime
81344	TBP (TATA box binding protein) gene analysis, evaluation to detect abnormal alleles	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime
81345	TERT (telomerase reverse transcriptase) gene analysis, targeted sequence analysis	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime
81361	HBB (hemoglobin, subunit beta); common variant(s) (eg, HbS, HbC, HbE)	NO	N/A	Once-in-a-lifetime
81362	HBB (hemoglobin, subunit beta); known familial variant(s)	NO	N/A	Once-in-a-lifetime
81363	HBB (hemoglobin, subunit beta); duplication/deletion variant(s)	NO	N/A	Once-in-a-lifetime
81364	HBB (hemoglobin, subunit beta); full gene sequence	NO	N/A	Once-in-a-lifetime
81448	Hereditary peripheral neuropathies, genomic sequence analysis panel, must include sequencing of at least 5 neuropathy-related genes	NO	One of the following ICD-10-CM codes is required on the claim (except with valid TAR): **G11.4, G60.0**	Once-in-a-lifetime

*Complete TAR information is available in the Pathology: Molecular Pathology section of the Medi-Cal Provider Manual

CPT-4 code	Code description	TAR	TAR and/or billing requirements	Frequency
81455	Targeted genomic sequence analysis panel, solid organ or hematolymphoid neoplasm, DNA analysis, and RNA analysis when performed, 51 or greater genes (eg, *ALK, BRAF, CDKN2A, CEBPA, DNMT3A, EGFR, ERBB2, EZH2, FLT3, IDH1, IDH2, JAK2, KIT, KRAS, MLL, NPM1, NRAS, MET, NOTCH1, PDGFRA, PDGFRB, PGR, PIK3CA, PTEN, RET*), interrogation for sequence variants and copy number variants or rearrangements, if performed	YES	Refer to Medi-Cal Provider Manual for TAR documentation requirements including frequency limit override.*	Once-in-a-lifetime
81528	Oncology (colorectal) screening, quantitative real-time target and signal amplification of 10 DNA markers (KRAS mutations, promoter methylation of *NDRG4 and BMP3*) and fecal hemoglobin, utilizing stool, algorithm reported as a positive or negative result	NO	Reimbursable for recipients 50 – 75 years of age. For recipients outside this age range, providers must submit a TAR documenting medical necessity. For recipients requiring additional tests within a year, providers must submit a TAR documenting medical necessity.	Once per year
81596	Infectious disease, chronic hepatitis C virus (HCV) infection, six biochemical assays (ALT, A2-macroglobulin, apolipoprotein A-1, total bilirubin, GGT, and haptoglobin) utilizing serum, prognostic algorithm reported as scores for fibrosis and necroinflammatory activity in liver	NO	The following ICD-10-CM code is required on the claim (except with valid TAR): **B18.2**	N/A

81370 - 81380 81382 81383 Human Leukocyte Antigen Typing			One of the following ICD-10-CM codes is required on the claim: **Z94.0 – Z94.9**	
81381	HLA Class I typing, high resolution, one allele or allele group		One of the following ICD-10-CM codes is required on the claim: **B20, F31.0 – F31.9, G40.001 – G40.919, G50.0, R75, Z01.812, Z21, Z94.0 – Z94.9.**	

*Complete TAR information is available in the Pathology: Molecular Pathology section of the Medi-Cal Provider Manual at:
medi-cal.ca.gov/pathmolec.doc

The CPT codes provided are based on AMA guidelines and are for informational purposes only. CPT coding is the sole responsibility of the billing party. Please direct any questions regarding coding to the payer being billed. Diagnoses must always be documented in the patient's medical record. The ultimate responsibility belongs to the ordering physician to correctly assign the patient's diagnosis based on the patient's history, symptoms, and medical conditions.