January 1, 2012

Re: 2012 AMA CPT Code Changes

Dear Valued Client:

The American Medical Association (AMA) has made Current Procedural Terminology (CPT) code changes to the 2012 edition of the CPT coding manual. Along with other annual updates, there are a significant number of newly assigned codes for molecular diagnostics.

On November 1, 2011, Center for Medicare & Medicaid Services (CMS) announced the following:

- **CMS will not implement the new tier codes for Medicare/Medicaid claims for calendar year 2012.**
- **CMS will continue to use the 2011 molecular codes for the reporting and payment for these services, and will not publish valuations for these new codes at this time.**

For many third party payers, including Medicare and Medicaid, we will continue billing with the 2011 molecular codes; however, we will be prepared to bill the 2012 molecular tier codes as third party payers implement.

The enclosed chart lists the individual molecular tests affected and the appropriate CPT code changes.
These tests may also be included in panels or profiles.

If you need additional information, please refer to the 2012 AMA CPT Code book or our website QuestDiagnostics.com.

We appreciate your support and look forward to continuing to serve all of your laboratory needs.

Sincerely,

Quest Diagnostics Nichols Institute, Valencia

2012 AMA Changes in CPT Coding for REFERRAL TESTS

Order Code	Test Name	CPT Code(s)	Tier CPT Code(s)
5270	ACCUTYPE METFORMIN, BLOOD	83891, 83892, 83898, 83909, 83912, 83914	81400
1518	ALPHA-1-ANTITRYPSIN DEFICIENCY FETAL STUDY W/REFLEX TO MCC	83891, 83900, 83909, 83912, 83914x2	81332 with reflex to 81265
1515	ALPHA-1-ANTITRYPSIN GENOTYPR	83891, 83900, 83909, 83912, 83914x2	81332
1515S	ALPHA-1-ANTITRYPSIN GENOTYPR - SALIVA	83891, 83900, 83909, 83912, 83914x2	81332
5220	ALPHA-THALASSEMIA GENOTYPR (21 mutations = 14 point mutations + 7 deletions	83891, 83894, 83896x21, 83900, 83901, 83909, 83912	81257
4565	AMPLICHIP CYP450 2D6 & 2C19 GENOTYPR - FDA test; chip	83891, 83892x2, 83900x2, 83901x2, 88385_TC	81225, 81226
5310	BAALC (BRAIN AND ACUTE LEUKEMIA, CYTOPLASMIC) ULTRAQUANT	83891, 83896 x2, 83900, 83902, 83912	81401
5040	B-CELL & T-CELL GENE REARRANGEMENT DETECTR	83891, 83898x3, 83900, 83901x3, 83909x4, 83912	81261, 81342
5040BK	B-CELL & T-CELL GENE REARRANGEMENT DETECTR-PARAFFIN BLOCK	83891, 83898x3, 83900, 83901x3, 83907, 83909x4, 83912	81261, 81342
5044	B-CELL GENE REARRANGEMENT DETECTR	83891, 83898x3, 83909x3, 83912	81261
5044BK	B-CELL GENE REARRANGEMENT DETECTR - PARAFFIN BLOCK	83891, 83898x3, 83907, 83909x3, 83912	81261
5342SR	BCR/ABL ULTRAQUANT MAJOR 210 KD TRANSCRIPT BM, W/SER REP	83891, 83896, 83898, 83902, 83912	81206
5342	BCR/ABL ULTRAQUANT MAJOR 210 KD TRANSCRIPT BONE MARROW	83891, 83896, 83898, 83902, 83912	81206
5352SR	BCR/ABL ULTRAQUANT MAJOR 210 KD TRANSCRIPT WB, W/SER REP	83891, 83896, 83898, 83902, 83912	81206
5352	BCR/ABL ULTRAQUANT MAJOR 210 KD TRANSCRIPT WHOLE BLOOD	83891, 83896, 83898, 83902, 83912	81206

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2012 AMA Changes in CPT Coding for REFERRAL TESTS

5344SR	BCR/ABL ULTRAQUANT MINOR 190 KD TRANSCRIPT BM, W/SER REP	83891, 83896, 83898, 83902, 83912	81207
5344	BCR/ABL ULTRAQUANT MINOR 190 KD TRANSCRIPT BONE MARROW	83891, 83896, 83898, 83902, 83912	81207
5354SR	BCR/ABL ULTRAQUANT MINOR 190 KD TRANSCRIPT WB, W/SER REP	83891, 83896, 83898, 83902, 83912	81207
5354	BCR/ABL ULTRAQUANT MINOR 190 KD TRANSCRIPT WHOLE BLOOD	83891, 83896, 83898, 83902, 83912	81207
5859	CHROMOSOMES X & Y ANEUPLOIDY DETECTR	83891, 83900, 83901 x8, 83909, 83912	No code
5859BK	CHROMOSOMES X & Y ANEUPLOIDY DETECTR-PARAFFIN BLOCK [PCR]	83891, 83900, 83901 x8, 83907, 83909, 83912	No code
5432	CYSTIC FIBROSIS 23 MUTATION ANALYSIS	83891, 83892, 83900, 83901x21, 83909, 83912, 83914x23	81220
5432FH	CYSTIC FIBROSIS 23 MUTATION ANALYSIS W/FAMILY HISTORY	83891, 83892, 83900, 83901x21, 83909, 83912, 83914x23	81220
5434	CYSTIC FIBROSIS 23 MUTATION ANALYSIS, FETUS W/REFLEX MCC	83891, 83892, 83900, 83901x21, 83909, 83912, 83914x23	81220 with reflex to 81265
5383	DPD 5-FU GENOTYPR	83891, 83898, 83909, 83912, 83914	81400
5383S	DPD 5-FU GENOTYPR - SALIVA	83891, 83898, 83909, 83912, 83914	81400
5371	FACTOR II (PROTHROMBIN) GENOTYPR	83891, 83898, 83909, 83912, 83914	81240
5371S	FACTOR II (PROTHROMBIN) GENOTYPR - SALIVA	83891, 83898, 83909, 83912, 83914	81240
1966	FACTOR V [LEIDEN] GENOTYPR	83891, 83898, 83909, 83912, 83914	81241
1966S	FACTOR V [LEIDEN] GENOTYPR - SALIVA	83891, 83898, 83909, 83912, 83914	81241
5290	FAMILIAL MEDITERRANEAN FEVER (FMF) GENOTYPR	83891, 83894, 83896 x12, 83900, 83901 x2, 83909, 83912	81402
5369	HEMOCHROMATOSIS GENOTYPR	83891, 83900, 83909, 83912, 83914x3	81256

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2012 AMA Changes in CPT Coding for REFERRAL TESTS

5369S	HEMOCHROMATOSIS GENOTYPR - SALIVA	83891, 83900, 83909, 83912, 83914x3	81256
5392	JAK2 EXONS 12 & 13 MUTATION, QUALITATIVE, PLASMA	83891, 83898, 83902, 83904x2, 83912	81403
5396	JAK2 V617F MUTATION, QL, W/RFX EXONS 12, 13 & MPL W515, S505	83891, 83898, 83902, 83904, 83912	81270 with reflex to 81403 and/or reflex to 81402
5394	JAK2 V617F MUTATION, QUAL PCR, PLASMA W/RFX EXONS 12, 13	83891, 83898, 83902, 83904, 83912	81270 with reflex to 81403
5395	JAK2 V617F MUTATION, QUAL, PCR	83891, 83898, 83902, 83904, 83912	81270
5032	KRAS MUTATION ANALYSIS	83891, 83892x2, 83898x2, 83904x4, 83909x2, 83912	81275
5046	MICROSATELLITE INSTABILITY (MSI) DETECTR	83891x2, 83900, 83901x12, 83909x2, 83912	81301
5046BK	MICROSATELLITE INSTABILITY (MSI) DETECTR - PARAFFIN	83891x2, 83900, 83901x12, 83907, 83909x2, 83912	81301
5398	MPL W515 & MPL S505 MUTATION ANALYSIS, QUAL, PLASMA	83891, 83898, 83902, 83904x2, 83912	81402
4562	MTHFR C677T/A1298C GENOTYPR	83891, 83900, 83909, 83912, 83914x2	81291
4562S	MTHFR C677T/A1298C GENOTYPR - SALIVA	83891, 83900, 83909, 83912, 83914x2	81291
5030	NRAS MUTATION ANALYSIS	83891, 83892x2, 83898x2, 83904x4, 83909x2, 83912	81404
5375	PLASMINOGEN ACTIVATOR INHIBITOR (PAI-1) GENOTYPR	83891, 83898, 83909, 83912, 83914	81400
5375S	PLASMINOGEN ACTIVATOR INHIBITOR (PAI-1) GENOTYPR - SALIVA	83891, 83898, 83909, 83912, 83914	81400
5034	RAS MUTATION ANALYSIS, CELL-BASED (test is KRAS + HRAS + NRAS)	83891, 83898x3, 83904x3, 83909x3, 83912	81403, 81404, 81403
RGW	REFLEX FACTOR V [LEIDEN] GENOTYPR	83891, 83898, 83909, 83912, 83914	81241
RKC	REFLEX MATERNAL CELL CONTAMINATION DETECTION	83891, 83900x2, 83901x6, 83909x2, 83912	81265

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2012 AMA Changes in CPT Coding for REFERRAL TESTS

5042	T-CELL GENE REARRANGEMENT DETECTR	83891, 83900, 83901x3, 83909, 83912	81402
5042BK	T-CELL GENE REARRANGEMENT DETECTR-PARAFFIN BLOCK	83891, 83900, 83901x3, 83907, 83909, 83912	81402
4555	THROMBOTIC RISK ASSESSR FOR OBSTETRIC COMPLICATIONS	83891, 83900, 83901x2, 83909x3, 83912x3, 83914x4	81291, 81240, 81241
5353	TPMT GENOTYPR	83891, 83900, 83901, 83909, 83912, 83914	81401
5353S	TPMT GENOTYPR - SALIVA	83891, 83900, 83901, 83909, 83912, 83914	81401
5353SNY	TPMT GENOTYPR - SALIVA [NY]	83891, 83900, 83901, 83909, 83912, 83914	81401
5384	UGT1A1 (CAMPTOSAR/IRINOTECAN) GENOTYPR	83891, 83898, 83909, 83912	81350
5055	WARFARIN SENSITIVITY DETECTR (VKORC1 AND CYP 2C9)	83891, 83900, 83901, 83909, 83912, 83914	81355, 81227
5055S	WARFARIN SENSITIVITY DETECTR (VKORC1 AND CYP 2C9) - SALIVA	83891, 83900, 83901, 83909, 83912, 83914	81355, 81227

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2012 AMA Changes in CPT Coding for REFERRAL TESTS

Quest Diagnostics Test Name	Quest Diagnostics-VALENCIA Order Code	Stacking CPT Codes	NEW Tier Codes Effective 1/1/2012
ABL Kinase Domain Mutation in CML, Plasma-based, Leumeta(R)	S51337	83891, 83894, 83902, 83898 (x6), 83909 (x6), 83904, 83912	81401
AccuType(R) CP, Clopidogrel CYP2C19 Genotype	S52048	83891, 83892 (x2), 83900, 83901 (x2), 83909, 83914 (**x10**), 83912	81225
Achondroplasia Mutation Analysis	S51405	83891, 83892 (x3), 83909, 83914, 83900, 83912	81401
Alpha-Globin Common Mutation Analysis	S51015	83891, 83900, 83901 (x5), 83894, 83912	81257
AML1/ETO t(8;21) Quantitative Real-Time PCR	S51379	83891, 83898 (x2), 83896 (x2), 83902 (x2), 83912	81401
Angiotensin II Type 1 Receptor (AGTR1) Gene 1166A>C Polymorphism (NY)	S52513N	83891, 83892 (x3), 83898, 83909, 83914, 83912	81400
Ashkenazi Jewish Panel	S51560	83891 (x2), 83892 (x2), 83909 (x8), 83900, 83901 (x27), 83914 (x60), 83912 (x8)	81220 (CF), 81200 (CANAVAN), 81251 (GAUCHER), 81242 (FANCONI), 81209 (BLOOM), 81255 (TAY SACHS), 81260 (FAMILIAL DYS), 81330 (NEIMANN PICK)
BCR/ABL Gene Rearrangement, Quantitative PCR, Plasma-based, Leumeta(R)	S52518	83891, 83898, 83902 (x2), 83900, 83896 (x3), 83912	81206
Beta-Globin Complete	S51293	83891, 83892 (x2), 83909 (x4), 83898 (x4), 83904 (x4), 83912	81404
Bloom Syndrome DNA Mutation Analysis	S51562	83891, 83898, 83892 x2, 83909, 83914, 83912	81209
BRAF Mutation Analysis	S51867	83891, 83898 (x3), 83894 (x3), 83892 (x3), 83909 (x3), 83904 (x3), 83912	81210
CAH (21-Hydroxylase Deficiency) Common Mutations	S51446	83891, 83900, 83901 (x2), 83894, 83892 (x3), 83909, 83914 (x11), 83912	81402
Canavan Disease Mutation Analysis	S51568	83891, 83900, 83892 x2, 83909, 83914 x4, 83901, 83912	81200
Chronic Lymphocytic Leukemia, IgVH Mutation Status, Cell-based	S50975	83891, 83894, 83902, 83900, 83901 (x4), 83904, 83909, 83912	81260
C-KIT Mutation Analysis, Cell-based	S51068	83891, 83898 (x5), 83892 (x5), 83904 (x10), 83909 (x5), 83912	81404

2012 AMA Changes in CPT Coding for REFERRAL TESTS

Quest Diagnostics Test Name	Quest Diagnostics-VALENCIA Order Code	Stacking CPT Codes	NEW Tier Codes Effective 1/1/2012
Colorectal Cancer Mutation Panel (KRAS, PIK3CA, BRAF, NRAS)	S52415	83891, 83892 (x7), 83894 (x3), 83898 (x10), 83904 (x14), 83907, 83909 (x10), 83912 (x4)	81275, 81210, 81404, 83898 (x3), 83904 (x3), 83907, 83909 (x3), 83912
ColoVantage® (methylated Septin 9)	16983	83891, 83896 (x3), 83898 (x3), 83912	81401
ColoVantage® (methylated Septin 9) (NY)	16984	83891, 83896 (x3), 83898 (x3), 83912	81401
Cystic Fibrosis Rare Mutation Analysis, One Exon	S50337	83891, 83909, 83898, 83904, 83912	81221
Factor V HR2 Allele DNA Mutation Analysis	S51402	83891, 83909, 83898, 83914, 83912	81400
Familial Dysautonomia Mutation Analysis	S51574	83891, 83892 (x2), 83909, 83898, 83914 (x2), 83912	81260
Fanconi's Anemia DNA Mutation Analysis	S51577	83891, 83892 (x2), 83909, 83898, 83914 (x2), 83912	81242
Follicular Lymphoma, bcl-2/JH t(14;18), Real-time PCR, Cell-based	S52422/ S52506	83891, 83896 (x3), 83898 (x3), 83912	81402
Fragile X DNA Analysis, Fetus	S51604	83891, 83900, 83898, 83909, 83892 (x2), 83894, 83896, 83897, 83912	81243
Gaucher Disease, DNA Mutation Analysis	S51581	83891, 83892, 83909, 83900, 83914 (x8), 83912	81251
Genomic Alterations, Postnatal, ClariSure(R) Oligo-SNP Array	S52307	88386, 83891, 83892, 83898	81229
Glycogen Storage Disease Type Ia Mutation Analysis (Ashkenazi Jewish)	S51378	83891, 83892 (x3), 83909, 83900, 83914 (x2), 83912	81250
HLA-B27, DNA Typing	S51544	83891, 83896 (x30), 83900 83912	81374
HLA-A,B Class I DNA Typing	S52243	83891, 83896 (x60), 83900 (x2), 83912 (x2)	81373 (x2)
HLA Class I A,B,C DNA Typing	S51545	83891, 83900 (x3), 83896 (x90), 83912 (x3)	81372

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HLA Class II DR, DQ DNA Typing	S51546	83891, 83900, 83898, 83896 (x30), 83912	81375
HLA Typing for Celiac Disease	S51543	83891, 83900, 83901, 83896 (x20), 83912	81383 (x2)
HLA Typing for Narcolepsy	S51552	83891, 83896 (x35), 83898, 83900, 83901, 83912	81383 (x2), 81377
HLA-A High Resolution SBT Typing	S51547	83891, 83900, 83904 (x6), 83912	81380
HLA-A,B,C CLASS I DNA TYPING	S51545	83891, 83896 (x90), 83900 (x3), 83912 (3)	81372
HLA-A29 DNA Typing	S52431	83891, 83896 (x30), 83900, 83912	81374
HLA-B High Resolution SBT Typing	S51548	83891, 83900, 83904 (x6), 83912	81380
HLA-B*1502 Typing	S52122	83891, 83896 (x30), 83900, 83912	81381
HLA-B*5701 Typing	S51551	83891, 83896 (x30), 83900, 83912	81381
HLA-B51 DNA Typing	S52371	83891, 83896 (x30), 83900, 83912	81381
HLA-C Class I DNA Typing	S51549	83891, 83896 (x30), 83900, 83912	81373
HLA-DRB1 Class II DNA Typing	S51550	83891, 83896 (x15), 83898, 83912	81376
HLA-DQB1 Class II DNA Typing	S51407	83891, 83900, 83896 (x15), 83912	81376
HLA-DQB1 High Resolution SBT Typing	S51409	83891 (1), 83898 (2), 83904 (4), 83912 (1)	81382
HLA-DRB1 High Resolution SBT Typing	S52488	83891 (1), 83898 (1), 83904 (3), 83912 (1)	81382
Human Platelet Antigen 1 Genotype	S51353	83891, 83898 (x2), 83894 (x2), 83912	81400
Huntington Disease Mutation Analysis	S51314	83891, 83900, 83909, 83912	81401
JAK2 Mutation (V617F) Analysis, Quantitative, Plasma-based, Leumeta(R)	S51995	83891, 83896, 83898, 83904 (x2), 83912	81270
Lung Cancer Mutation Panel (EGFR, KRAS, ALK)	S52293	83891, 83892(x3), 83898 (x6), 83904 (x8), 83909 (x6), 83912 (x2), 88271 (x2), 88275, 88291	EGFR 83891, 83892, 83898 (x4), 83909 (x4), 83904 (x4), 83912; KRAS 81275; ALK 88271 (x2);88275; 88291
Mantle Cell Lymphoma, bcl-1/JH t(11;14), Real-time PCR, Cell-based	S52421	83891, 83896 (x2), 83898 (x2), 83912	81401

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2012 AMA Changes in CPT Coding for REFERRAL TESTS

Quest Diagnostics Test Name	Quest Diagnostics-VALENCIA Order Code	Stacking CPT Codes	NEW Tier Codes Effective 1/1/2012
Maple Syrup Disease (MSUD) Mutation Analysis (Ashkenazi Jewish)	S51386	83891, 83892 (x3), 83909, 83900, 83901, 83914 (x3), 83912	81205
MEN2 and FMTC Mutations, Exons 10, 11, 13-16 (NY)	S51812	83891 (x2), 83898 (x6), 83892 (x2), 83909 (x6), 83904 (x6), 83912	81404, 81405
Mucolipidosis Type IV Mutation Analysis	S51588	83891, 83898, 83892 x2, 83909, 83914 x2, 83912	81290
Niemann-Pick Disease Mutation Analysis	S51592	83891, 83900, 83892 x2, 83909, 83914 x4, 83912	81330
Pain Management, CYP450 2D6/2C19 GENO, QL	18946	83891, 83892 (x2), 83900 (x2), 83901 (x2), 88385 TC	81226, 81225
PDGFRA Mutation Analysis	S52487	83891, 83902, 83898, 83904 (x2), 83912	81404
Plasminogen Activator Inhibitor-1 (PAI-1) 4G/5G	S51324	83891, 83898, 83892 (x3), 83909, 83914, 83912	81400
PML/RARA t(15;17), Quantitative Real-Time PCR, Cell-based	S50330	83891, 83902 **(X3)**, 83898 **(x3)**, 83896 **(x3)**, 83912	81315
Prader-Willi/Angelman Syndrome, DNA Methylation Analysis	S51349	83891, 83900, 83909, 83912	81331
Rett Syndrome Mutation Analysis	S51295	83891, 83892 (x2), 83909 (x6), 83894, 83898 (x6), 83904 (x6), 83912	81302
Sickle Cell Anemia, DNA Probe Analysis, Fetus	S51453	88235, 83891 (x2), 83892 (x4), 83909 (x2), 83898 (x2), 83912 (x2)	88235, 81401
Tay-Sachs Disease Mutation Analysis	S51598	83891, 83892, 83909, 83900, 83914 (x7), 83901 (x2), 83912	81255
XSense(R), Fragile X with Reflex	S51603	83891, 83900, 83898, 83909 (x2), 83912 with reflex to southern blot 83891, 83892 (x2), 83894, 83896, 83897, 83912	81243 with reflex to 81244
Y Chromosome Microdeletion, DNA Analysis	S51325	83891, 83900, 83901 (x18), 83894, 83912	81403
CellSearch(R) Circulating Tumor Cells, Breast	S51755	88346 (x2), 88361, 88313	0279T, 0280T
CellSearch(R) Circulating Tumor Cells, Colon	S52160	88346 (x2), 88361, 88313	0279T, 0280T
CellSearch(R) Circulating Tumor Cells, Prostate	S52159	88346 (x2), 88361, 88313	0279T, 0280T

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