IOWA Health and Human Services

Genetic Testing Codes Requiring Prior Authorization

Code	Description	Effective Date
81162	Brca1 (Brca1, Dna Repair Associated), Brca2 (Brca2, Dna Repair Associated) (Eg, Hereditary Breast And Ovarian Cancer) Gene Analysis; Full Sequence Analysis And Full Duplication/Deletion Analysis	1/1/2025
81163	Gene Analysis (Breast Cancer 1 And 2) Of Full Sequence	1/1/2019
81164	Gene Analysis (Breast Cancer 1 And 2) For Duplication Or Deletion Variants	1/1/2019
81165	Gene Analysis (Breast Cancer 1) Of Full Sequence	1/1/2019
81166	Gene Analysis (Breast Cancer 1) For Duplication Or Deletion Variants	7/1/2024
81167	Gene Analysis (Breast Cancer 2) For Duplication Or Deletion Variants	7/1/2024
81170	Gene Analysis (Abl Proto-Oncogene 1; Non-Receptor Tyrosine Kinase)	1/1/2025
81171	Gene Analysis (Fragile X Intellectual Disability 2) For Detection Of Abnormal Alleles	1/1/2019
81172	Gene Analysis (Fragile X Intellectual Disability 2) For Characterization Of alleles	10/1/2019
81173	Gene Analysis (Androgen Receptor) Of Full Sequence	7/1/2024
81174	Gene Analysis (Androgen Receptor) For Known Familial Variant	1/1/2025
81177	Gene Analysis (Atropin 1) For Abnormal Alleles	7/1/2024
81178	Gene Analysis (Ataxin 1) For Abnormal Alleles	1/1/2019
81179	Gene Analysis (Ataxin 2) For Abnormal Alleles	1/1/2019
81180	Gene Analysis (Ataxin 3) For Abnormal Alleles	1/1/2025
81181	Gene Analysis (Ataxin 7) For Abnormal Alleles	1/1/2025

Code	Description	Effective Date
81182	Gene Analysis (Ataxin 8 Opposite Strand [Non-Protein Coding]) For Abnormal Alleles	7/1/2024
81183	Gene Analysis (Ataxin 10) For Abnormal Alleles	1/1/2019
81184	Gene Analysis (Calcium Voltage-Gated Channel Subunit Alpha1 A) For Abnormal Alleles	7/1/2024
81185	Gene Analysis (Calcium Voltage-Gated Channel Subunit Alpha1 A) Of Full Sequence	10/1/2019
81186	Gene Analysis (Calcium Voltage-Gated Channel Subunit Alpha1 A) For Known Familial Variant	1/1/2019
81187	Gene Analysis (Cch-Type Zinc Finger Nucleic Acid Binding Protein) For Abnormal Alleles	1/1/2019
81188	Gene Analysis (Cystatin B) For Abnormal Alleles	7/1/2024
81189	Gene Analysis (Cystatin B) Of Full Sequence	1/1/2019
81190	Gene Analysis (Cystatin B) For Known Familial Variants	7/1/2024
81201	Apc (Adenomatous Polyposis Coli) (Eg, Familial Adenomatosis Polyposis (Fap), Attenuated Fap) Gene Analysis; Full Gene Sequence	2/1/2024
81202	Apc (Adenomatous Polyposis Coli) (Eg, Familial Adenomatosis Polyposis (Fap), Attenuated Fap) Gene Analysis; Known Familial Variants	7/1/2024
81203	Apc (Adenomatous Polyposis Coli) (Eg, Familial Adenomatosis Polyposis (Fap), Attenuated Fap) Gene Analysis; Duplication/Deletion Variants	1/1/2025
81204	Gene Analysis (Androgen Receptor) For Characterization Of Alleles	7/1/2024
81206	Bcr/Abl1 (T(9;22)) (Eg, Chronic Myelogenous Leukemia) Translocation Analysis S; Major Breakpoint, Qualitative Or Quantitative	7/1/2024
81207	Bcr/Abl1 (T(9;22)) (Eg, Chronic Myelogenous Leukemia) Translocation Analysis S; Minor Breakpoint, Qualitative Or Quantitative	7/1/2024

Code	Description	Effective Date
81208	Bcr/Abl1 (T(9;22)) (Eg, Chronic Myelogenous Leukemia) Translocation Analysis S; Other Breakpoint, Qualitative Or Quantitative	7/1/2024
81210	Braf (V-Raf Murine Sarcoma Viral Oncogene Homolog B1) (Eg, Colon Cancer), G Ene Analysis, V600E Variant	7/1/2024
81212	Brca1, Brca2 (Breast Cancer 1 And 2) (Eg, Hereditary Breast And Ovarian Can Cer) Gene Analysis; 185Delag, 5385Insc, 6174Delt Variants	7/1/2024
81215	Brca1 (Breast Cancer 1) (Eg, Hereditary Breast And Ovarian Cancer) Gene Ana Lysis; Known Familial Variant	7/1/2024
81216	Brca2 (Breast Cancer 2) (Eg, Hereditary Breast And Ovarian Cancer) Gene Ana Lysis; Full Sequence Analysis	9/1/2018
81217	Brca2 (Breast Cancer 2) (Eg, Hereditary Breast And Ovarian Cancer) Gene Ana Lysis; Known Familial Variant	9/1/2018
81225	Cyp2C19 (Cytochrome P450, Family 2, Subfamily C, Polypeptide 19) (Eg, Drug Metabolism), Gene Analysis, Common Variants (Eg, *2, *3, *4, *8, *17)	9/1/2024
81226	Cyp2D6 (Cytochrome P450, Family 2, Subfamily D, Polypeptide 6) (Eg, Drug Metabolism), Gene Analysis, Common Variants (Eg, *2, *3, *4, *5, *6, *9, *10, *17, *19, *29, *35, *41, *1Xn, *2Xn, *4Xn)	9/1/2024
81227	Cyp2C9 (Cytochrome P450, Family 2, Subfamily C, Polypeptide 9) (Eg, Drug Metabolism), Gene Analysis, Common Variants (Eg, *2, *3, *5, *6)	1/1/2025
81228	Genome-Wide Microarray Analysis For Copy Number Variants	2/1/2024
81229	Genome-Wide Microarray Analysis For Copy Number And Single Nucleotide Polymorphism (Snp) Variants	7/1/2024
81233	Gene Analysis (Bruton's Tyrosine Kinase) For Common Variants	1/1/2019
81234	Gene Analysis (Dm1 Protein Kinase) For Abnormal Alleles	1/1/2019
81235	Egfr (Epidermal Growth Factor Receptor)(Eg, Non-Small Cell Lung Cancer) Gene Analysis, Common Variants	7/1/2024

Code	Description	Effective Date
81236	Gene Analysis (Enhancer Of Zeste 2 Polycomb Repressive Complex 2 Subunit) Of Full Sequence	1/1/2019
81237	Gene Analysis (Enhancer Of Zeste 2 Polycomb Repressive Complex 2 Subunit) For Common Variants	1/1/2019
81239	Gene Analysis (Dm1 Protein Kinase) For Characterization Of Alleles	1/1/2019
81243	Gene Analysis (Fragile X Syndrome, X-Linked Intellectual Disability) For Detection Of Abnormal Alleles	7/1/2024
81244	Gene Analysis (Fragile X Syndrome, X-Linked Intellectual Disability) For Characterization Of Alleles	2/1/2024
81252	Gjb2 (Gap Junction Protein, Beta 2, 2 6Kda; Connexin 26) (Eg, Nonsyndromic Hearing Loss) Gene Analysis; Full Gene Sequence	2/1/2024
81253	Gjb2 (Gap Junction Protein, Beta 2, 2 6Kda; Connexin 26) (Eg, Nonsyndromic Hearing Loss) Gene Analysis; Known Familial Variants	2/1/2024
81254	Gjb6 (Gap Junction Protein, Beta 6, 30Kda, Connexin 30) (Eg, Nonsyndromic Hearing Loss) Gene Analysis; Common Variants	2/1/2024
81256	Hfe (Hemochromatosis) (Eg, Hereditary Hemochromatosis) Gene Analysis, Commo N Variants (Eg, C282Y, H63D)	7/1/2024
81271	Gene Analysis (Huntingtin) For Abnormal Alleles	7/1/2024
81274	Gene Analysis (Huntingtin) For Characterization Of Alleles	1/1/2025
81275	Kras (V-Ki-Ras2 Kirsten Rat Sarcoma Viral Oncogene) (Eg, Carcinoma) Gene Analysis, Variants In Codons 12 And 13	5/1/2022
81276	Gene Analysis (Kirsten Rat Sarcoma Viral Oncogene Homolog); Additional Variants	5/1/2022
81284	Gene Analysis (Frataxin) For Abnormal Alleles	1/1/2019
81285	Gene Analysis (Frataxin) For Characterization Of Alleles	7/1/2024
81286	Gene Analysis (Frataxin) Of Full Sequence	7/1/2024
81288	Test For Detecting Genes Associated With Colon Cancer	7/1/2024
81289	Gene Analysis (Frataxin) For Known Familial Variants	1/1/2019

Code	Description	Effective Date
81292	Mlh1 (Mult Homolog 1, Colon Cancer, Nonpolyposis Type 2) (Eg, Hereditary No N-Polyposis Colorectal Cancer, Lynch Syndrome) Gene Analysis; Full Sequence Analysis	7/1/2024
81293	Mlh1 (Mult Homolog 1, Colon Cancer, Nonpolyposis Type 2) (Eg, Hereditary No N-Polyposis Colorectal Cancer, Lynch Syndrome) Gene Analysis; Known Familia L Variants	7/1/2024
81294	Mlh1 (Mult Homolog 1, Colon Cancer, Nonpolyposis Type 2) (Eg, Hereditary No N-Polyposis Colorectal Cancer, Lynch Syndrome) Gene Analysis; Duplication/Deletion Variants	6/1/2022
81295	Msh2 (Muts Homolog 2, Colon Cancer, Nonpolyposis Type 1) (Eg, Hereditary No N-Polyposis Colorectal Cancer, Lynch Syndrome) Gene Analysis; Full Sequence Analysis	5/1/2022
81296	Msh2 (Muts Homolog 2, Colon Cancer, Nonpolyposis Type 1) (Eg, Hereditary No N-Polyposis Colorectal Cancer, Lynch Syndrome) Gene Analysis; Known Familia L Variants	7/1/2024
81297	Msh2 (Muts Homolog 2, Colon Cancer, Nonpolyposis Type 1) (Eg, Hereditary No N-Polyposis Colorectal Cancer, Lynch Syndrome) Gene Analysis; Known Familia L Variants Duplication/Deletion Variants	6/1/2022
81298	Msh6 (Muts Homolog 6 [E. Coli]) (Eg, Hereditary Non-Polyposis Colorectal Ca Ncer, Lynch Syndrome) Gene Analysis; Full Sequence Analysis	7/1/2024
81299	Msh6 (Muts Homolog 6 [E. Coli]) (Eg, Hereditary Non-Polyposis Colorectal Ca Ncer, Lynch Syndrome) Gene Analysis; Known Familial Variants	1/1/2025
81300	Msh6 (Muts Homolog 6 [E. Coli]) (Eg, Hereditary Non-Polyposis Colorectal Ca Ncer, Lynch Syndrome) Gene Analysis; Duplication/Deletion Variants	6/1/2022
81301	Microsatellite Instability Analysis (Eg, Hereditary Non-Polyposis Colorecta L Ca, Lynch Syndrome) Of Markers For Mismatch Repair Deficiency (Eg, Bat25, Bat26), Includes Comparison Of Neoplastic & Nor	12/1/2018
81305	Gene Analysis (Myeloid Differentiation Primary Response 88) For P.Leu265Pro Variant	1/1/2019

Code	Description	Effective Date
81306	Gene Analysis (Nudix Hydrolase 15) For Common Variants	1/1/2025
81307	Gene Analysis (Partner And Localizer Of Brca2) Full Sequence Analysis	7/1/2024
81308	Gene Analysis (Partner And Localizer Of Brca2) For Detection Of Known Familial Variant	1/1/2025
81309	Gene Analysis (Partner And Localizer Of Brca2) Targeted Sequence Analysis	7/1/2020
81311	Gene Analysis For Cancer (Neuroblastoma)	7/1/2024
81312	Gene Analysis (Poly[A] Binding Protein Nuclear 1) For Abnormal Alleles	1/1/2025
81317	Pms2 (Postmeiotic Segregation Increased 2 [S. Cerevisiae]) (Eg, Hereditary Non-Polyposis Colorectal Cancer, Lynch Syndrome) Gene Analysis; Full Sequen Ce Analysis	5/1/2022
81318	Pms2 (Postmeiotic Segregation Increased 2 [S. Cerevisiae]) (Eg, Hereditary Non-Polyposis Colorectal Cancer, Lynch Syndrome) Gene Analysis; Known Familial Variants	1/1/2025
81319	Pms2 (Postmeiotic Segregation Increased 2 [S. Cerevisiae]) (Eg, Hereditary Non-Polyposis Colorectal Cancer, Lynch Syndrome) Gene Analysis; Duplication /Deletion Variants	6/1/2022
81320	Gene Analysis (Phospholipase C Gamma 2) For Common Variants	7/1/2024
81321	Pten (Phosphatase And Tensin Homolog) (Eg, Cowden Syndrome, Pten Hamartoma Tumor Syndrome) Gene Analysis; Full Sequence Analysis	7/1/2024
81322	Pten (Phosphatase And Tensin Homolog) (Eg, Cowden Syndrome, Pten Hamartoma Tumor Syndrome) Gene Analysis; Known Familial Variant	7/1/2024
81323	Pten (Phosphatase And Tensin Homolog) (Eg, Cowden Syndrome, Pten Hamartoma Tumor Syndrome) Gene Analysis; Duplication/Deletion Variant	1/1/2025
81324	Pmp22 (Peripheral Myelin Protein 22) (Eg, Charcot-Marie-Tooth, Hereditary Neuropathy With Liability To Pressure Palsies) Gene Analysis; Duplication/Deletion Analysis	1/1/2025

Code	Description	Effective Date
81325	Pmp22 (Peripheral Myelin Protein 22) (Eg, Charcot-Marie-Tooth, Hereditary Neuropathy With Liability To Pressure Palsies) Gene Analysis; Full Sequence Analysis	7/1/2024
81326	Pmp22 (Peripheral Myelin Protein 22) (Eg, Charcot-Marie-Tooth, Hereditary Neuropathy With Liability To Pressure Palsies) Gene Analysis; Known Familial Variant	2/1/2024
81331	Snrpn/Ube3A (Small Nuclear Ribonucleoprotein Polypeptide N And Ubiquitin Protein Ligase E3A) (Eg, Prader-Willi Syndrome And/or Angelman Syndrome), Methylation Analysis	12/1/2018
81333	Gene Analysis (Transforming Growth Factor Beta-Induced) For Common Variants	1/1/2019
81336	Gene Analysis (Survival Of Motor Neuron 1, Telomeric) Of Full Sequence	7/1/2024
81337	Gene Analysis (Survival Of Motor Neuron 1, Telomeric) For Known Familial Sequence Variants	1/1/2025
81343	Gene Analysis (Protein Phosphatase 2 Regulatory Subunit Bbeta) For Abnormal Alleles	7/1/2024
81344	Gene Analysis (Tata Box Binding Protein) For Abnormal Alleles	7/1/2024
81345	Gene Analysis (Telomerase Reverse Transcriptase) Targeted Sequence Analysis	1/1/2019
81351	Tp53 (Tumor Protein 53) (Eg, Li-Fraumeni Syndrome) Gene Analysis; Full Gene Sequence	1/1/2025
81352	Tp53 (Tumor Protein 53) (Eg, Li-Fraumeni Syndrome) Gene Analysis; Targeted Sequence Analysis (Eg, 4 Oncology)	1/1/2025
81353	Tp53 (Tumor Protein 53) (Eg, Li-Fraumeni Syndrome) Gene Analysis; Known Familial Variant	7/1/2024
81373	Hla Class I Typing, Low Resolution (Eg, Antigen Equivalents); One Locus (Eg , Hla-A, -B, Or -C), Each	12/1/2018
81381	Hla Class I Typing, High Resolution (Ie, Alleles Or Allele Groups); One All Ele Or Allele Group (Eg, B*57:01P), Each	6/1/2015

Code	Description	Effective Date
81401	Molecular Pathology Procedure, Level 2 (Eg, 2-10 Snps, 1 Methylated Variant , Or 1 Somatic Variant [Typically Using Nonsequencing Target Variant Analys Is], Or Detection Of A Dynamic Mutation Disorder	5/1/2022
81402	Molecular Path Procedure, Level 3 (Eg, >10 Snps, 2-10 Methylated Variants, Or 2-10 Somatic Variants, Immunoglobulin And T-Cell Receptor Gene Rearrangements, Duplication/Deletion Variants 1 Exon)	7/1/2024
81403	Molecular Pathology Procedure Level 4 Genetic Analysis	1/1/2025
81404	Molecular Pathology Procedure Level 5 Genetic Analysis	7/1/2024
81405	Molecular Pathology Procedure Level 6 Genetic Analysis	1/1/2025
81406	Molecular Pathology Procedure Level 7 Genetic Analysis	5/1/2022
81407	Molecular Pathology Procedure Level 8 Genetic Analysis	7/1/2024
81408	Molecular Pathology Procedure Level 9 Genetic Analysis	9/1/2018
81415	Test For Detecting Genes Associated With Diseases	1/1/2025
81416	Test For Detecting Genes Associated With Disease	7/1/2024
81417	Reevaluation Test For Detecting Genes Associated With Disease	2/1/2024
81432	Gene Analysis (Breast And Related Cancers); Genomic Sequence	6/1/2023
81435	Test For Detecting Genes Associated With Colon Cancer	6/1/2023
81443	Genomic Sequence Analysis Panel For Severe Inherited Conditions With Sequencing Of 15 Or More Genes	1/1/2019
81445	Genomic Sequence Analysis Panel Of Dna Or Combined Dna And Rna Of 5-50 Genes Associated With Solid Organ Abnormal Growth Of Tissue	1/1/2025
81479	Unlisted Molecular Pathology Procedure	1/1/2013
81507	Fetal Aneuploidy (Trisomy 21, 18, And 13) Dna Sequence Analysis Of Selected Regions Using Maternal Plasma, Algorithm Reported As A Risk Score For Each Trisomy	6/1/2022
81518	Mrna Gene Analysis Of 11 Genes In Breast Tumor Tissue	7/1/2024

Code	Description	Effective Date
81519	Test For Detecting Genes Associated With Breast Cancer	1/1/2016
81522	Mrna Gene Expression Analysis Of 12 Genes In Breast Tumor Tissue	10/1/2020
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 In	1/1/2022
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)	1/1/2025
0016U	Test For Detecting Gene Abnormality Associated With Blood And Lymphatic System Cancer In Blood Or Bone Marrow	5/1/2022
0040U	Gene Analysis (T(9,22)) For Translocation Analysis	7/1/2024
0069U	Oncology (Colorectal), Microrna, Rt-Pcr Expression Profiling Of Mir-31-3P, Formalin-Fixed Paraffin-Embedded Tissue, Algorithm Reported As An Expression Sco	1/1/2025
0084U	Dna Red Blood Cell Antigen Typing	7/1/2020
0087U	Mrna Gene Expression Profiling Of Genes In Heart Transplant Biopsy Tissue To Evaluate Risk Of Rejection	1/1/2025
0111U	Gene Analysis (Kras And Nras) In Prostate Tumor Tissue	5/1/2022
0113U	Measurement Of Pca3 Gene In Urine And Prostate-Specific Antigen (Psa) In Serum To Evaluate Risk Of Prostate Cancer	7/1/2020
0120U	Mrna, Gene Expression Profiling Of 58 Genes In Tissue Sample For B-Cell Lymphoma Classification	7/1/2020
0157U	Apc (Apc Regulator Of Wnt Signaling Pathway) (Eg, Familial Adenomatosis Polyposis [Fap]) Mrna Sequence Analysis (List Separately In Addition To Code For Primary Procedure)	2/1/2024
0158U	Mlh1 (Mult Homolog 1) (Eg, Hereditary Non-Polyposis Colorectal Cancer, Lynch Syndrome) Mrna Sequence Analysis (List Separately In Addition To Code For Primary Procedure)	7/1/2024

Code	Description	Effective Date
0159U	Msh2 (Muts Homolog 2) (Eg, Hereditary Colon Cancer, Lynch Syndrome) Mrna Sequence Analysis (List Separately In Addition To Code For Primary Procedure)	1/1/2025
0160U	Msh6 (Muts Homolog 6) (Eg, Hereditary Colon Cancer, Lynch Syndrome) Mrna Sequence Analysis (List Separately In Addition To Code For Primary Procedure)	2/1/2024
0161U	Pms2 (Pms1 Homolog 2, Mismatch Repair System Component) (Eg, Hereditary Nonpolyposis Colorectal Cancer, Lynch Syndrome) Mrna Sequence Analysis (List Separately In Addition To Code For Primary Procedure	2/1/2024
0162U	Hereditary Colon Cancer (Lynch Syndrome), Targeted Mrna Sequence Analysis Panel (Mlh1, Msh2, Msh6, Pms2) (List Separately In Addition To Code For Primary Procedure)	1/1/2025
0238U	Oncology (Lynch Syndrome), Genomic Dna Sequence Analysis Of Mlh1, Msh2, Msh6, Pms2, And Epcam, Including Small Sequence Changes In Exonic And Intronic Regions, Deletions, Duplications, Mobile Element	1/1/2025
0252U	Fetal Aneuploidy Short Tandem Repeat Comparative Analysis, Fetal Dna From Products Of Conception, Reported As Normal (Euploidy), Monosomy, Trisomy, Or Partial Deletion/Duplications, Mosaicism, And Seg	2/1/2024
0847T	Digitization Of Glass Microscope Slides For Examination And Selection Of Retrieved Archival Tissue(S) For Molecular Analysis	1/1/2024
0851T	Digitization Of Glass Microscope Slides For Morphometric Analysis, In Situ Hybridization, Initial Manual Single Probe Stain Procedure	1/1/2024
0852T	Digitization Of Glass Microscope Slides For Morphometric Analysis, In Situ Hybridization, Each Additional Manual Single Probe Stain Procedure	1/1/2024
0853T	Digitization Of Glass Microscope Slides For Morphometric Analysis, In Situ Hybridization, Each Manual Multiplex Probe Stain Procedure	1/1/2024
S3854	Gene Expression Profiling Panel For Use In The Management Of Breast Cancer	1/1/2017