

GENETIC TESTING
 CODES REQUIRING PRIOR AUTHORIZATION

Code	Description	Effective Date
81162	Gene Analysis (breast cancer 1 and 2) full sequence, analysis and full duplication/deletion analysis	1/1/2023
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	3/18/2020
81165	Gene analysis (breast cancer 1) of full sequence	1/1/2023
81166	Gene analysis (breast cancer 1) for duplication or deletion variants	1/1/2023
81167	Gene analysis (breast cancer 2) for duplication or deletion variants	1/1/2023
81170	Gene analysis (acquired imatinib tyrosine kinase inhibitor resistance) variants in the kinase domain	5/1/2022
81171	Gene analysis (fragile X mental retardation 2) for abnormal alleles	3/18/2020
81172	Gene analysis (fragile X mental retardation 2) for characterization of alleles	1/1/2023
81173	Gene analysis (androgen receptor) of full sequence	1/1/2023
81174	Gene analysis (androgen receptor) for known familial variant	10/1/2019
81177	Gene analysis (atropin 1) for abnormal alleles	3/18/2020
81178	Gene analysis (ataxin 1) for abnormal alleles	3/18/2020
81179	Gene analysis (ataxin 2) for abnormal alleles	3/18/2020
81180	Gene analysis (ataxin 3) for abnormal alleles	1/1/2023
81181	Gene analysis (ataxin 7) for abnormal alleles	3/18/2020
81182	Gene analysis (ataxin 8 opposite strand [non-protein coding]) for abnormal alleles	1/1/2023
81183	Gene analysis (ataxin 10) for abnormal alleles	1/1/2023
81184	Gene analysis (calcium voltage-gated channel subunit alpha 1 A) for abnormal alleles	3/18/2020
81185	Gene analysis (calcium voltage-gated channel subunit alpha 1 A) of full sequence	10/1/2019
81186	Gene analysis (calcium voltage-gated channel subunit alpha 1 A) for known familial variant	3/18/2020
81187	Gene analysis (CCH-type zinc finger nucleic acid binding protein) for abnormal alleles	3/18/2020
81188	Gene analysis (cystatin B) for abnormal alleles	3/18/2020
81189	Gene analysis (cystatin B) of full sequence	1/1/2019
81190	Gene analysis (cystatin B) for known familial variants	3/18/2020
81201	Gene analysis, APC; full gene sequence	1/1/2013

STATE OF IOWA DEPARTMENT OF
Health AND **Human**
SERVICES

Code	Description	Effective Date
81202	Gene analysis, APC; known familial variants	1/1/2013
81203	Gene analysis, APC; duplication/deletion variants	1/1/2023
81204	Gene analysis (androgen receptor) for characterization of alleles	1/1/2019
81206	BCR/ABL1 translocation analysis; major breakpoint, qualitative or quantitative	5/1/2022
81207	BCR/ABL1 translocation analysis; minor breakpoint, qualitative or quantitative	5/1/2022
81208	BCR/ABL1 translocation analysis; other breakpoint, qualitative or quantitative	5/1/2022
81210	Gene analysis (B-Raf proto-oncogene, serine/threonine kinase) V600 variant(s)	5/1/2022
81212	BRCA1, BRCA2 gene analysis; variants	1/1/2023
81215	BRCA1 gene analysis; known familial variants	1/1/2023
81216	BRCA2 gene analysis; full sequence analysis	9/1/2018
81217	BRCA2 gene analysis; known familial variants	9/1/2018
81228	Cytogenomic constitutional microarray analysis; interrogation of genomic regions for copy number variants	11/1/2014
81229	Cytogenomic constitutional microarray analysis; interrogation of genomic regions for copy number and single nucleotide polymorphism variants for chromosomal abnormalities	11/1/2014
81233	Gene analysis (Bruton's tyrosine kinase) for common variants	3/18/2020
81234	Gene analysis (DM1 protein kinase) for abnormal alleles	1/1/2019
81235	Gene analysis, EGFR; common variants	3/18/2020
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	3/18/2020
81243	FMRI gene analysis; evaluation to detect abnormal alleles	2/1/2015
81244	FMRI gene analysis; characterization of alleles	2/1/2015
81252	Gene analysis, GJB2; full gene sequence	1/1/2013
81253	Gene analysis, GJB2; known familial variants	1/1/2023
81254	Gene analysis, GJB2; common variants	1/1/2023
81256	HFE gene analysis, common variants	6/1/2015
81271	Gene analysis (Huntingtin) for abnormal alleles	3/18/2020
81274	Gene analysis (Huntingtin) for characterization of alleles	1/1/2023

STATE OF IOWA DEPARTMENT OF
Health AND **Human**
SERVICES

Code	Description	Effective Date
81275	KRAS gene analysis; variants in exon 2	5/1/2022
81276	KRAS gene analysis; additional variant(s)	5/1/2022
81284	Gene analysis (frataxin) for abnormal alleles	1/1/2019
81285	Gene analysis (frataxin) for characterization of alleles	1/1/2023
81286	Gene analysis (frataxin) of full sequence	1/1/2019
81288	MLH1 (Lynch syndrome) gene analysis; promoter methylation analysis	6/1/2022
81289	Gene analysis (frataxin) for known familial variants	1/1/2019
81292	MLH1 (Lynch syndrome) gene analysis; full sequence analysis	1/1/2023
81293	MLH1 (mutL homolog 1, colon cancer, nonpolyposis type 2) (eg, hereditary non-polyposis colorectal cancer, Lynch syndrome) gene analysis; known familial variants	8/1/2022
81294	MLH1 (Lynch syndrome) gene analysis; duplication/deletion variants	6/1/2022
81295	MSH2 (Lynch syndrome) gene analysis; full sequence analysis	1/1/2023
81296	MSH2 (mutS homolog 2, colon cancer, nonpolyposis type 1) (eg, hereditary non-polyposis colorectal cancer, Lynch syndrome) gene analysis; known familial variants	8/1/2022
81297	MSH2 (Lynch syndrome) gene analysis; duplication/deletion variants	6/1/2022
81298	MSH6 (Lynch syndrome) gene analysis; full sequence analysis	5/1/2022
81299	MSH6 (mutS homolog 6 [E. coli]) (eg, hereditary non-polyposis colorectal cancer, Lynch syndrome) gene analysis; known familial variants	1/1/2023
81300	MSH6 (Lynch syndrome) gene analysis; duplication/deletion variants	1/1/2023
81301	Microsatellite instability analysis of markers for mismatch repair deficiency, includes comparison of neoplastic and normal tissue, if performed	12/1/2018
81305	Gene analysis (myeloid differentiation primary response 88) for p.Leu265Pro variant	3/18/2020
81306	Gene analysis (nudix hydrolase 15) for common variants	10/1/2019
81307	Gene analysis (partner and localizer of BRCA2) full sequence analysis	7/1/2020
81308	Gene analysis (partner and localizer of BRCA2) for detection of known familial variant	7/1/2020
81309	Gene analysis (partner and localizer of BRCA2) targeted sequence analysis	1/1/2023
81311	NRAS, gene analysis, variants in exon 2 and exon 3	5/1/2022
81312	Gene analysis (poly[A] binding protein nuclear 1) for abnormal alleles	1/1/2019
81317	PMS2 (Lynch syndrome) gene analysis; full sequence 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	8/1/2022

STATE OF IOWA DEPARTMENT OF
Health AND **Human**
SERVICES

Code	Description	Effective Date
81319	PMS2 (Lynch syndrome) gene analysis; duplication/deletion variants	6/1/2022
81320	Gene analysis (phospholipase C gamma 2) for common variants	3/18/2020
81321	PTEN gene analysis; full sequence analysis	1/1/2013
81322	PTEN gene analysis; known familial variant	1/1/2023
81323	PTEN gene analysis; duplication/deletion variant	1/1/2023
81324	PMP22 gene analysis; duplication/deletion analysis	1/1/2013
81325	PMP22 gene analysis; full sequence analysis	3/18/2020
81326	PMP22 gene analysis; known familial variant	1/1/2023
81331	SNRPN/UBE3A, 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	1/1/2023
81337	Gene analysis (survival of motor neuron 1, telomeric) for known familial sequence variants	3/18/2020
81343	Gene analysis (protein phosphatase 2 regulatory subunit Bbeta) for abnormal alleles	3/18/2020
81344	Gene analysis (TATA box binding protein) for abnormal alleles	3/18/2020
81345	Gene analysis (telomerase reverse transcriptase) targeted sequence analysis	1/1/2019
81351	Gene analysis (tumor protein 53) full sequence analysis	1/1/2021
81352	Gene analysis (tumor protein 53) targeted sequence analysis	1/1/2021
81353	Gene analysis (tumor protein 53) targeted sequence analysis for detection of known familial variant	1/1/2021
81373	HLA Class I typing, low resolution; one locus, each	12/1/2018
81381	HLA Class I typing, high resolution; one allele or allele group, each	1/1/2023
81401	Molecular Pathology Procedure Level 2	5/1/2022
81402	Molecular Pathology Procedure Level 3	5/1/2022
81403	Molecular Pathology Procedure Level 4	6/1/2022
81404	Molecular pathology procedure, Level 5	3/18/2020
81405	Molecular pathology procedure, Level 6	9/1/2018
81406	Molecular pathology procedure, Level 7	5/1/2022
81407	Molecular pathology procedure, Level 8	9/1/2018
81408	Molecular pathology procedure, Level 9	9/1/2018

STATE OF IOWA DEPARTMENT OF
Health AND Human
 SERVICES

Code	Description	Effective Date
81415	Exome (eg, unexplained constitutional or heritable disorder or syndrome); sequence analysis	1/1/2023
81416	Exome (eg, unexplained constitutional or heritable disorder or syndrome); sequence analysis, each comparator exome (eg, parents, siblings)	1/1/2023
81417	Exome (eg, unexplained constitutional or heritable disorder or syndrome); re-evaluation of previously obtained exome sequence	12/1/2021
81420	Fetal chromosomal aneuploidy genomic sequence analysis panel, circulating cell-free fetal DNA in maternal blood, must include analysis of chromosomes 13, 18, and 21	6/1/2023
81433	Hereditary breast cancer-related disorders (eg, hereditary breast cancer, hereditary ovarian cancer, hereditary endometrial cancer); duplication/deletion analysis panel, must include analyses for BRCA1, BRCA2, MLH1, MSH2, and STK11	6/1/2023
81435	Hereditary colon cancer disorders (eg, Lynch syndrome, PTEN hamartoma syndrome, Cowden syndrome, familial adenomatosis polyposis); genomic sequence analysis panel, must include sequencing of at least 10 genes, including APC, BMPRIA, CDH1, MLH1, MSH2, MSH6, MUTYH, PTEN, SMAD4, and STK11	6/1/2023
81436	Hereditary colon cancer disorders (eg, Lynch syndrome, PTEN hamartoma syndrome, Cowden syndrome, familial adenomatosis polyposis); duplication/deletion analysis panel, must include analysis of at least 5 genes, including MLH1, MSH2, EPCAM, SMAD4, and STK11	6/1/2023
81443	Genetic testing for severe inherited conditions (eg, cystic fibrosis, Ashkenazi Jewish-associated disorders [eg, Bloom syndrome, Canavan disease, Fanconi anemia type C, mucopolipidosis type VI, Gaucher disease, Tay-Sachs disease], beta hemoglobinopathies, phenylketonuria, galactosemia), genomic sequence analysis panel, must include sequencing of at least 15 genes (eg, ACADM, ARSA, ASPA, ATP7B, BCKDHA, BCKDHB, BLM, CFTR, DHCR7, FANCC, G6PC, GAA, GALT, GBA, GBE1, HBB, HEXA, IKBKAP, MCOLN1, PAH)	1/1/2019
81445	Solid organ neoplasm, genomic sequence analysis panel, 5-50 genes, interrogation for sequence variants and copy number variants or rearrangements, if performed; DNA analysis or combined DNA and RNA analysis	9/1/2023
81479	Unlisted molecular pathology procedure	3/18/2020
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	1/1/2023
81518	mRNA gene analysis of 11 genes in breast tumor tissue	3/18/2020
81519	mRNA, gene expression profiling by real-time RT-PCR of 21 genes, utilizing formalin-fixed paraffin-embedded tissue, algorithm reported as recurrence score	1/1/2023
81522	mRNA, gene expression profiling by RT-PCR of 12 genes, utilizing formalin-fixed paraffin-embedded tissue, algorithm reported as recurrence risk score	10/1/2020

STATE OF IOWA DEPARTMENT OF
Health AND Human
 SERVICES

Code	Description	Effective Date
81523	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	1/1/2022
81546	mRNA gene analysis of 10,196 genes in fine needle aspiration thyroid specimen, reported as category result (e.g., benign, suspicious)	1/1/2021
0016U	RNA, BCR/ABL1 major and minor breakpoint fusion transcripts, quantitative PCR amplification, blood or bone marrow, report of fusion not detected or detected with quantitation	5/1/2022
0040U	BCR/ABL1 (t(9;22)) (eg, chronic myelogenous leukemia) translocation analysis, major breakpoint, quantitative	1/1/2023
0069U	(Colorectal), microRNA, RT-PCR expression profiling of miR-31-3p, formalin-fixed paraffin-embedded tissue, algorithm reported as an expression score	1/1/2023
0084U	DNA red blood cell antigen typing	1/1/2023
0087U	mRNA gene expression profiling of genes in heart transplant biopsy tissue to evaluate risk of rejection	7/1/2020
0111U	(Colon cancer), targeted KRAS (codons 12, 13, and 61) and NRAS (codons 12, 13, and 61) gene analysis utilizing formalin-fixed paraffin-embedded 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) mrna sequence analysis (list separately in addition to code for primary procedure)	7/1/2020
0158U	Mlh1 (Lynch syndrome) mrna sequence analysis (list separately in addition to code for primary procedure)	7/1/2020
0159U	Msh2 (Lynch syndrome) mrna sequence analysis (list separately in addition to code for primary procedure)	7/1/2020
0160U	Msh6 (Lynch syndrome) mrna sequence analysis (list separately in addition to code for primary procedure)	7/1/2020
0161U	Pms2 (Lynch syndrome) mrna sequence analysis (list separately in addition to code for primary procedure)	1/1/2023
0162U	(Lynch syndrome), targeted mrna sequence analysis panel (mlh1, msh2, msh6, pms2) (list separately in addition to code for primary procedure)	7/1/2020
0238U	(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 insertions, and variants in non-uniquely mappable regions	1/1/2023

STATE OF IOWA DEPARTMENT OF
Health AND **Human**
SERVICES

Code	Description	Effective Date
0252U	Fetal aneuploidy short tandem-repeat comparative analysis, fetal DNA from products of conception, reported as normal (euploidy), monosomy, trisomy, or partial deletion/duplication, mosaicism, and segmental aneuploidy	7/1/2021
S3854	Gene expression profiling panel for use in the management of breast cancer treatment	1/1/2017