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## Cytogenetic Studies

## Local Coverage Determination

### CPT Codes:

88230	Tissue culture, lymphocyte
88233	Tissue culture, skin/biopsy
88235	Tissue culture, placenta
88237	Tissue culture, bone marrow
88239	Tissue culture, tumor
88240	Cell cryopreserve/storage
88241	Frozen cell preparation
88245	Chromosome analysis, 20-25
88248	Chromosome analysis, 50-100
88249	Chromosome analysis, 100
88261	Chromosome analysis, 5
88262	Chromosome analysis, 15-20
88263	Chromosome analysis, 45
88264	Chromosome analysis, 20-25
88267	Chromosome analysis, placenta
88269	Chromosome analysis, amniotic
88271	Cytogenetics, dna probe
88272	Cytogenetics, 3-5
88273	Cytogenetics, 10-30
88274	Cytogenetics, 25-99
88275	Cytogenetics, 100-300
88280	Chromosome karyotype study
88283	Chromosome banding study
88285	Chromosome count, additional
88289	Chromosome study, additional
88291	Cyto/molecular report
88299	Cytogenetic study

### Numerical Sort:

<b>*171.9</b>	Neoplasm, malignant, connective and other soft tissue, unspecified
189.0	Neoplasm, malignant, kidney except pelvis
200.00-200.08	Reticulosarcoma
200.10-200.18	Lymphosarcoma
200.20-200.28	Burkitt's tumor or lymphoma
200.80-200.88	Lymphosarcoma, other named variants
201.00-201.98	Disease, Hodgkin's
202.00-202.08	Lymphoma, nodular
202.80-202.98	Lymphoma, other
203.00-203.01	Myeloma, multiple)
203.10-203.11	Leukemia, plasma cell
204.00-204.01	Leukemia, lymphatic, acute
204.80-204.81	Leukemia, lymphoid, other
205.00-205.91	Leukemia, myeloid
206.00-206.01	Leukemia, monocytic, acute
206.90-206.91	Leukemia, monocytic, unspecified
207.20-207.21	Leukemia, megakaryocytic
208.00-208.01	Leukemia, acute
225.2	Neoplasm, benign, cerebral meninges
238.4	Polycythemia vera
238.74	Syndrome, Myelodysplastic with 5q deletion
259.0	Delay, development, sexual
273.3	Macroglobulinemia
284.01-284.09	Anemia, aplastic, constitutional
284.1	Pancytopenia
284.2	Myelophthisis

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284.89	Anemia, aplastic, other specified
284.9	Anemia, aplastic, unspecified
285.0	Anemia, sideroblastic
285.1	Anemia, posthemorrhagic, acute
285.21-285.29	Anemia, in chronic illness
285.8	Anemias, specified, other
285.9	Anemia, unspecified
287.30-287.39	Thrombocytopenia, primary
287.4	Thrombocytopenia, secondary
<b>*288.01</b>	Neutropenia, congenital or cyclic
288.02	Neutropenia, congenital or cyclic
288.1	Disorder, neutrophil, polymorphonuclear (functional)
288.2	Leukocytes, genetic anomalies of
288.3	Eosinophilia
288.4	Syndrome, hemophagocytic
288.63-288.65	Monocytosis (symptomatic), plasmacytosis, basophilia
288.8	Disease, other specified disease of white blood cells
289.6	Polycythemia, familial
289.7	Methemoglobinemia
289.81-289.89	Diseases, other specified diseases of blood and blood-forming organs
334.8	Diseases, spinocerebellar, specified
388.5	Disorders, nerve, acoustic
389.10	Loss, hearing, sensorineural
629.9	Abortion, habitual or recurrent without current pregnancy
630	Mole, hydatidiform
631	Mole, pregnancy
632	Abortion, missed
646.33	Abortion, habitual antepartum condition or complication
655.00-655.03	Anencephaly, hydrocephalic, spina bifida, fetal
655.10-655.13	Abnormality, chromosomal, in fetus
655.20-655.23	Hereditary disease in family possibly affecting fetus
656.40-656.43	Death, intrauterine, complicating pregnancy
656.50-656.53	Growth, fetal, poor, affecting management of pregnancy
656.60-656.63	Excess fetal growth
657.00-657.03	Polyhydramnios
658.00-658.03	Oligohydramnios
659.50-659.53	Primigravida, elderly, affecting management of pregnancy, labor, and delivery
659.60-659.63	Multigravida, elderly, affecting management of pregnancy, labor and delivery
740.0	Anencephalus
740.1	Craniorachischisis
740.2	Iniencephaly
742.0	Encephalocele
742.1	Microcephalus
742.2	Deformity, reduction, brain
742.3	Hydrocephalus, congenital
742.4	Anomaly, brain, multiple
742.51-742.59	Anomaly, spinal cord, other specified
742.8	Anomaly, nerve, specified type
743.00-743.06	Anophthalmos
743.10-743.12	Microphthalmos
743.20-743.22	Buphthalmos
743.30-743.39	Cataract, congenital and lens anomalies
743.41-743.49	Coloboma and other anomalies of anterior segment
743.51-743.59	Anomalies, congenital of posterior segment
743.61-743.69	Anomalies, congenital of eyelids, lacrimal system and orbit
743.8	Anomalies, congenital, other specified of eye
743.9	Anomalies, congenital, unspecified, of eye
744.00-744.09	Anomalies, congenital, of ear causing impairment of hearing
744.1	Accessory, auricle
744.21-744.29	Anomalies, other specified congenital anomalies of ear

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744.3	Anomaly, congenital, of ear, unspecified
744.41-744.49	Branchial cleft cyst or fistula, preauricular sinus
744.5	Webbed, neck
744.81-744.89	Anomalies, other specified congenital anomalies of face and neck
744.9	Anomalies, unspecified congenital anomalies of face and neck
745.0	Truncus, common
745.10-745.19	Transposition of great vessels
745.2	Tetrology of Fallot
745.3	Common ventricle
745.4	Defect, ventricular, septal
745.5	Defect, atrium, secundum
745.60-745.69	Defect, endocardial cushion
745.7	Cor biloculare
745.8	Anomalies, other bulbus cordis anomalies, and of cardiac septal closure
745.9	Defect of septal closure, unspecified
746.00-746.09	Anomalies, congenital, of pulmonary valve
746.1	Tricuspid atresia and stenosis, congenital
746.2	Anomaly, Ebstein's
746.3	Stenosis, congenital of aortic valve
746.4	Insufficiency, congenital of aortic valve
746.5	Stenosis, congenital, mitral
746.6	Insufficiency, congenital, mitral
746.7	Syndrome, hypoplastic left heart
746.81-746.89	Anomalies, congenital, other specified of heart
746.9	Anomalies, congenial, unspecified of heart
747.0	Patent ductus arteriosus
747.10-747.11	Coarctation of aorta, interruption of aortic arch
747.20-747.29	Anomalies, other congenital anomalies of aorta
747.3	Anomalies, congenital anomalies of pulmonary artery
747.40-747.49	Anomalies of great veins
747.5	Absence or hypoplasia of umbilical artery
747.60-747.69	Anomalies, other of peripheral vascular system
747.81-747.89	Anomalies, other specified anomalies of circulatory system
747.9	Anomaly, congenital, unspecified of circulatory system
748.0	Atresia, choanal
748.1	Anomalies, other congenital anomalies of nose
748.2	Web of larynx
748.3	Anomalies, other congenital anomalies of larynx, trachea, and bronchus
748.4	Disease, lung, cystic, congenital
748.5	Agenesis, hypoplasia and dysplasia, congenital, of lung
748.60-748.69	Anomalies, other congenital anomalies of lung
748.8	Anomalies, other specified congenital anomalies of respiratory system
748.9	Anomalies, unspecified congenital anomaly of respiratory system
749.00-749.25	Cleft palate and cleft lip
750.0	Tongue tie
750.10-750.19	Anomalies, other congenital anomalies of tongue
750.21-750.29	Anomalies, other specified congenital anomalies of mouth and pharynx
750.3	Fistula, tracheoesophageal fistula, congenital, esophageal atresia and stenosis
750.4	Anomalies, other specified congenital anomalies of esophagus
750.5	Stenosis, congenital hypertrophic pyloric stenosis
750.6	Hernia, hiatus, congenital
750.7	Anomalies, other specified anomalies of stomach
750.8	Anomalies, other specified congenital anomalies of upper alimentary tract
750.9	Anomalies, unspecified congenital anomaly of upper alimentary tract
751.0	Meckel's diverticulum
751.1	Atresia and stenosis, congenital, of small intestine
751.2	Atresia and stenosis, congenital, of large intestine, rectum and anal canal
751.3	Disease, Hirschsprung's and other congenital functional disorders of colon
751.4	Anomalies of Intestinal fixation, congenital
751.5	Anomalies, other anomalies of intestine, congenital

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751.60-751.69	Anomalies of gallbladder, bile ducts, and liver, congenital
751.7	Anomalies of pancreas, congenital
751.8	Anomalies, other specified congenital anomalies of digestive system
751.9	Anomaly, unspecified congenital anomalies of digestive system
752.0-752.9	Anomalies, congenital, of genital organs
753.0-753.9	Anomalies, congenital, of urinary system
754.0-754.89	Deformities, certain congenital musculoskeletal deformities
755.00-755.9	Other congenital anomalies of limbs
756.0-756.9	Anomalies, other congenital musculoskeletal anomalies
757.0	Edema, hereditary, legs
757.1	Ichthyosis congenital
757.2	Anomalies, dermatoglyphic, congenital
757.31-757.39	Anomaly, skin, congenital
758.0	Syndrome, Down's
758.1	Syndrome, Patau's
758.2	Syndrome, Edwards'
758.31-758.39	Syndromes, autosomal deletion,
758.4	Translocation, balanced autosomal in normal individual
758.5	Translocation, autosomes
758.6	Dysgenesis, gonadal, due to chromosomal anomaly
758.7	Syndrome, Klinefelter's
758.81-758.89	Anomaly, chromosomes, other conditions due to
758.9	Anomaly, chromosomes, conditions due to anomaly of unspecified chromosome
759.83	Syndrome, Fragile X
783.22	Underweight
783.40-783.43	Lack of expected normal physiological development in childhood
796.5	Findings, abnormal, antenatal screening
796.6	Findings, abnormal, nonspecific on neonatal screening
V13.61-	History, personal, of congenital malformations
V13.69	History, personal, of congenital malformations
V18.4	History, family, of mental retardation
V19.5	History, family, of congenital anomalies
<b>*V49.89</b>	Other specified conditions influencing health status

**\*171.9** Medical record **must** contain documentation of either: alveolar soft part sarcoma, alveolar rhabdomyosarcoma, clear cell sarcoma, desmoplastic small round cell tumor, Ewing sarcoma, myxoid liposarcoma, low grade fibromyxoid sarcoma, extra skeletal myxoid chondrosarcoma, inflammatory myofibroblastic tumor or synovial sarcoma in order to use these diagnosis codes.

**\*288.01** Limited to infantile genetic agranulocytosis **only**.

**\*V49.89** To be used **only** when repeat testing is believed to be medically reasonable and necessary.

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## Cytogenetic Studies, Continued

### **Alphabetical Sort:**

655.10-655.13	Abnormality, chromosomal, in fetus
646.33	Abortion, habitual antepartum condition or complication
629.9	Abortion, habitual or recurrent without current pregnancy
632	Abortion, missed
747.5	Absence or hypoplasia of umbilical artery
744.1	Accessory, auricle
748.5	Agenesis, hypoplasia and dysplasia, congenital, of lung
284.01-284.09	Anemia, aplastic, constitutional
284.01-284.09	Anemia, aplastic, constitutional
284.89	Anemia, aplastic, other specified
284.9	Anemia, aplastic, unspecified
285.21-285.29	Anemia, in chronic illness
285.1	Anemia, posthemorrhagic, acute
285.0	Anemia, sideroblastic
285.9	Anemia, unspecified
285.8	Anemias, specified, other
740.0	Anencephalus
655.00-655.03	Anencephaly, hydrocephalic, spina bifida, fetal
751.60-751.69	Anomalies of gallbladder, bile ducts, and liver, congenital
747.40-747.49	Anomalies of great veins
751.4	Anomalies of Intestinal fixation, congenital
751.7	Anomalies of pancreas, congenital
746.9	Anomalies, congenial, unspecified of heart
747.3	Anomalies, congenial anomalies of pulmonary artery
743.61-743.69	Anomalies, congenial of eyelids, lacrimal system and orbit
743.51-743.59	Anomalies, congenial of posterior segment
744.00-744.09	Anomalies, congenial, of ear causing impairment of hearing
746.00-746.09	Anomalies, congenial, of pulmonary valve
743.8	Anomalies, congenial, other specified of eye
746.81-746.89	Anomalies, congenial, other specified of heart
743.9	Anomalies, congenial, unspecified, of eye
757.2	Anomalies, dermatoglyphic, congenial
755.00-755.9	Anomalies, limbs, other congenial anomalies of
751.5	Anomalies, other anomalies of intestine, congenial
745.8	Anomalies, other bulbus cordis anomalies, and of cardiac septal closure
747.20-747.29	Anomalies, other congenial anomalies of aorta
748.3	Anomalies, other congenial anomalies of larynx, trachea, and bronchus
748.60-748.69	Anomalies, other congenial anomalies of lung
748.1	Anomalies, other congenial anomalies of nose
750.10-750.19	Anomalies, other congenial anomalies of tongue
756.0-756.9	Anomalies, other congenial musculoskeletal anomalies
747.60-747.69	Anomalies, other of peripheral vascular system
747.81-747.89	Anomalies, other specified anomalies of circulatory system
750.7	Anomalies, other specified anomalies of stomach
751.8	Anomalies, other specified congenial anomalies of digestive system
744.21-744.29	Anomalies, other specified congenial anomalies of ear
750.4	Anomalies, other specified congenial anomalies of esophagus
744.81-744.89	Anomalies, other specified congenial anomalies of face and neck
750.21-750.29	Anomalies, other specified congenial anomalies of mouth and pharynx
748.8	Anomalies, other specified congenial anomalies of respiratory system
750.8	Anomalies, other specified congenial anomalies of upper alimentary tract
744.9	Anomalies, unspecified congenial anomalies of face and neck
748.9	Anomalies, unspecified congenial anomaly of respiratory system
750.9	Anomalies, unspecified congenial anomaly of upper alimentary tract
742.4	Anomaly, brain, multiple

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758.9	Anomaly, chromosomes, conditions due to anomaly of unspecified chromosome
758.81-758.89	Anomaly, chromosomes, other conditions due to
744.3	Anomaly, congenital, of ear, unspecified
747.9	Anomaly, congenital, unspecified of circulatory system
746.2	Anomaly, Ebstein's
742.8	Anomaly, nerve, specified type
757.31-757.39	Anomaly, skin, congenital
742.51-742.59	Anomaly, spinal cord, other specified
751.9	Anomaly, unspecified congenital anomalies of digestive system
743.00-743.06	Anophthalmos
751.2	Atresia and stenosis, congenital, of large intestine, rectum and anal canal
751.1	Atresia and stenosis, congenital, of small intestine
748.0	Atresia, choanal
744.41-744.49	Branchial cleft cyst or fistula, preauricular sinus
743.20-743.22	Buphthalmos
200.20-200.28	Burkitt's tumor or lymphoma
743.30-743.39	Cataract, congenital and lens anomalies
749.00-749.25	Cleft palate and cleft lip
747.10-747.11	Coarctation of aorta, interruption of aortic arch
743.41-743.49	Coloboma and other anomalies of anterior segment
745.3	Common ventricle
745.7	Cor biloculare
740.1	Craniorachischisis
656.40-656.43	Death, intrauterine, complicating pregnancy
745.9	Defect of septal closure, unspecified
745.5	Defect, atrium, secundum
745.60-745.69	Defect, endocardial cushion
745.4	Defect, ventricular, septal
754.0-754.89	Deformities, certain congenital musculoskeletal deformities
742.2	Deformity, reduction, brain
259.0	Delay, development, sexual
201.00-201.98	Disease, Hodgkin's
751.3	Disease, Hirschsprung's and other congenital functional disorders of colon
748.4	Disease, lung, cystic, congenital
238.7	Disease, lymphoproliferative, chronic
288.8	Disease, other specified disease of white blood cells
289.81-289.89	Diseases, other specified diseases of blood and blood-forming organs
334.8	Diseases, spinocerebellar, specified
288.1	Disorder, neutrophil, polymorphonuclear (functional)
388.5	Disorders, nerve, acoustic
758.6	Dysgenesis, gonadal, due to chromosomal anomaly
757.0	Edema, hereditary, legs
742.0	Encephalocele
288.3	Eosinophilia
656.60-656.63	Excess fetal growth
796.5	Findings, abnormal, antenatal screening
796.6	Findings, abnormal, nonspecific on neonatal screening
750.3	Fistula, tracheoesophageal fistula, congenital, esophageal atresia and stenosis
656.50-656.53	Growth, fetal, poor, affecting management of pregnancy
655.20-655.23	Hereditary disease in family possibly affecting fetus
750.6	Hernia, hiatus, congenital
V19.5	History, family, of congenital anomalies
V18.4	History, family, of mental retardation
V13.61-	History, personal, of congenital malformations
V13.69	History, personal, of congenital malformations
742.3	Hydrocephalus, congenital
757.1	Ichthyosis congenita
740.2	Iniencephaly
746.4	Insufficiency, congenital of aortic valve
746.6	Insufficiency, congenital, mitral

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783.40-783.43	Lack of expected normal physiological development in childhood
208.00-208.01	Leukemia, acute
204.00-204.01	Leukemia, lymphatic, acute
204.80-204.81	Leukemia, lymphoid, other
207.20-207.21	Leukemia, megakaryocytic
206.00-206.01	Leukemia, monocytic, acute
206.90-206.91	Leukemia, monocytic, unspecified
205.00-205.91	Leukemia, myeloid
203.10-203.11	Leukemia, plasma cell
288.2	Leukocytes, genetic anomalies of
389.10	Loss, hearing, sensorineural
202.00-202.08	Lymphoma, nodular
202.80-202.98	Lymphoma, other
200.10-200.18	Lymphosarcoma
273.3	Macroglobulinemia
751.0	Meckel's diverticulum
289.7	Methemoglobinemia
742.1	Microcephalus
743.10-743.12	Microphthalmos
630	Mole, hydatidiform
631	Mole, pregnancy
288.63-288.65	Monocytosis (symptomatic), plasmacytosis, basophilia
659.60-659.63	Multigravida, elderly, affecting management of pregnancy, labor and delivery
203.00-203.01	Myeloma, multiple
284.2	Myelophthisis
225.2	Neoplasm, benign, cerebral meninges
<b>*171.9</b>	Neoplasm, malignant, connective and other soft tissue, unspecified
189.0	Neoplasm, malignant, kidney except pelvis
<b>*288.01</b>	Neutropenia, congenital or cyclic
288.02	Neutropenia, congenital or cyclic
658.00-658.03	Oligohydramnios
<b>*V49.89</b>	Other specified conditions influencing health status
284.1	Pancytopenia
747.0	Patent ductus arteriosus
238.4	Polycythemia vera
289.6	Polycythemia, familial
657.00-657.03	Polyhydramnios
659.50-659.53	Primigravida, elderly, affecting management of pregnancy, labor, and delivery
200.00-200.08	Reticulosarcoma
200.80-200.88	Reticulosarcoma, other named variants
750.5	Stenosis, congenital hypertrophic pyloric stenosis
746.3	Stenosis, congenital of aortic valve
746.5	Stenosis, congenital, mitral
758.0	Syndrome, Down's
758.2	Syndrome, Edwards'
759.83	Syndrome, Fragile X
288.4	Syndrome, hemophagocytic
746.7	Syndrome, hypoplastic left heart
758.7	Syndrome, Klinefelter's
758.1	Syndrome, Patau's
758.31-758.39	Syndromes, autosomal deletion,
238.74	Syndrome, Myelodysplastic with 5q deletion
745.2	Tetrology of Fallot
287.30-287.39	Thrombocytopenia, primary
287.4	Thrombocytopenia, secondary
750.0	Tongue tie
758.5	Translocation, autosomes
758.4	Translocation, balanced autosomal in normal individual
745.10-745.19	Transposition of great vessels
746.1	Tricuspid atresia and stenosis, congenital

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745.0	Truncus, common
783.22	Underweight
748.2	Web of larynx
744.5	Webbed, neck

**\*171.9** Medical record **must** contain documentation of either: alveolar soft part sarcoma, alveolar rhabdomyosarcoma, clear cell sarcoma, desmoplastic small round cell tumor, Ewing sarcoma, myxoid liposarcoma, low grade fibromyxoid sarcoma, extra skeletal myxoid chondrosarcoma, inflammatory myofibroblastic tumor or synovial sarcoma in order to use these diagnosis codes.

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