

CONDITION	GENE	AUTOSOMAL RECESSIVE	X-LINKED	SCREENING RECOMMENDATIONS			PANEL AVAILABILITY			
				ACOG*	ACMG	VICTOR CENTER	H 4	H 27	H 106	H 274
3-Beta-Hydroxysteroid Dehydrogenase Type II Deficiency	<i>HSD3B2</i>	•								•
3-Hydroxy-3-Methylglutaryl-CoA Lyase Deficiency	<i>HMGCL</i>	•								•
3-Methylcrotonyl-CoA Carboxylase 1 Deficiency	<i>MCCC1</i>	•								•
3-Methylcrotonyl-CoA Carboxylase 2 Deficiency	<i>MCCC2</i>	•								•
3-Phosphoglycerate Dehydrogenase Deficiency	<i>PHGDH</i>	•			o			•	•	
6-Pyruvoyl-Tetrahydropterin Synthase (PTPS) Deficiency	<i>PTPS</i>	•								•
Abetalipoproteinemia	<i>MTTP</i>	•			o			•	•	
Achondrogenesis, Type 1B	<i>SLC26A2</i>	•								•
Achromatopsia, CNGB3-Related	<i>CNGB3</i>	•								•
Acrodermatitis Enteropathica	<i>SLC39A4</i>	•								•
Acute Infantile Liver Failure, TRMU-Related	<i>TRMU</i>	•						•	•	
Acyl-CoA Oxidase I Deficiency	<i>ACOX1</i>	•								•
Adrenoleukodystrophy, X-Linked	<i>ABCD1</i>		•					•	•	
Aicardi-Goutières Syndrome	<i>SAMHD1</i>	•								•
Alpha-Thalassemia Intellectual Disability Syndrome	<i>ATRX</i>		•							•
Alpha-Mannosidosis	<i>MAN2B1</i>	•								•
Alpha-Thalassemia	<i>HBA1/HBA2</i>	•		o			•	•	•	
Alport Syndrome, COL4A3-Related	<i>COL4A3</i>	•				o		•	•	
Alport Syndrome, COL4A4-Related	<i>COL4A4</i>	•								•
Alport Syndrome, X-Linked	<i>COL4A5</i>		•							•
Alstrom Syndrome	<i>ALMS1</i>	•								•
Andermann Syndrome	<i>SLC12A6</i>	•								•
Argininosuccinate Lyase Deficiency	<i>ASL</i>	•								•
Aromatase Deficiency	<i>CYP19A1</i>	•								•
Asparagine Synthetase Deficiency	<i>ASNS</i>	•						•	•	
Aspartylglycosaminuria	<i>AGA</i>	•								•
Ataxia with Vitamin E Deficiency	<i>TTPA</i>	•								•
Ataxia-Telangiectasia	<i>ATM</i>	•						•	•	
Autism Spectrum, Epilepsy and Arthrogryposis	<i>SLC35A3</i>	•			o			•	•	
Autoimmune Polyglandular Syndrome, Type 1	<i>AIRE</i>	•						•	•	
Autosomal Recessive Spastic Ataxia of Charlevoix-Saguenay	<i>SACS</i>	•								•
Bardet-Biedl Syndrome, BBS10-Related	<i>BBS10</i>	•								•
Bardet-Biedl Syndrome, BBS12-Related	<i>BBS12</i>	•								•
Bardet-Biedl Syndrome, BBS1-Related	<i>BBS1</i>	•								•
Bardet-Biedl Syndrome, BBS2-Related	<i>BBS2</i>	•				o		•	•	
Bare Lymphocyte Syndrome, CIITA-Related	<i>CIITA</i>	•								•
Bartter Syndrome, BSND-Related	<i>BSND</i>	•								•
Batten Disease, CLN3-Related	<i>CLN3</i>	•					•	•	•	
Beta-Hemoglobinopathies (including sickle cell disease)	<i>HBB</i>	•		o			•	•	•	
Bilateral Frontoparietal Polymicrogyria	<i>GPR56</i>	•								•
Biotinidase Deficiency	<i>BTD</i>	•								•
Bloom Syndrome	<i>BLM</i>	•		o	o	o		•	•	•
Canavan Disease	<i>ASPA</i>	•		o	o	o		•	•	•
Carbamoyl Phosphate Synthetase I Deficiency	<i>CPS1</i>	•								•
Carnitine Deficiency	<i>SLC22A5</i>	•								•
Carnitine Palmitoyltransferase IA Deficiency	<i>CPT1A</i>	•								•
Carnitine Palmitoyltransferase II Deficiency	<i>CPT2</i>	•				o		•	•	
Carpenter Syndrome	<i>RAB23</i>	•								•
Cartilage-Hair Hypoplasia	<i>RMRP</i>	•								•
Cerebrotendinous Xanthomatosis	<i>CYP27A1</i>	•								•
Charcot-Marie-Tooth Disease with Deafness, X-Linked	<i>GJB1</i>		•							•
Charcot-Marie-Tooth Disease, Type 4D	<i>NDRG1</i>	•								•
Choreoacanthocytosis	<i>VPS13A</i>	•							•	•
Choroidal Remia	<i>CHM</i>		•							•
Chronic Granulomatous Disease, CYBA-Related	<i>CYBA</i>	•							•	•
Chronic Granulomatous Disease, X-Linked	<i>CYBB</i>		•							•
Ciliopathies, RPGRIP1L-Related	<i>RPGRIP1L</i>	•								•
Citrin Deficiency	<i>SLC25A13</i>	•								•
Citrullinemia, Type I	<i>ASS1</i>	•						•	•	•
Cohen Syndrome	<i>VPS13B</i>	•								•
Combined Malonic and Methylmalonic Aciduria	<i>ACSF3</i>	•								•
Combined Oxidative Phosphorylation Deficiency (Complex 4 Deficiency)	<i>GFM1</i>	•								•
Combined Oxidative Phosphorylation Deficiency 3	<i>TSFM</i>	•								•
Combined Pituitary Hormone Deficiency-2	<i>PROP1</i>	•								•
Congenital Adrenal Hyperplasia, 17-Alpha-Hydroxylase Deficiency	<i>CYP17A1</i>	•								•
Congenital Megakaryocytic Thrombocytopenia	<i>MPL</i>	•				o		•	•	•





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Niemann-Pick Disease, Types A/B	SMPD1	•		○	○	○		•	•	•
Nijmegen Breakage Syndrome	NBN	•								•
Non-Syndromic Hearing Loss, GJB2-Related	GJB2	•							•	•
Odonto-Onycho-Dermal Dysplasia / Schopf-Schulz-Passarge Syndrome	WNT10A	•								•
Omenn Syndrome, RAG2-Related	RAG2	•							•	•
Ornithine Aminotransferase Deficiency	OAT	•							•	•
Ornithine Transcarbamylase Deficiency	OTC		•							•
Osteopetrosis, Infantile Malignant, TCIRG1-Related	TCIRG1	•							•	•
Pendred Syndrome	SLC26A4	•								•
Phenylketonuria	PAH	•		○					•	•
Pituitary Hormone Deficiency, Combined 3	LHX3	•								•
Polyzystic Kidney Disease, Autosomal Recessive	PKHD1	•			○		•	•	•	•
Pontocerebellar Hypoplasia, RARS2-Related	RARS2	•							•	•
Pontocerebellar Hypoplasia, Type 1A	VRK1	•							•	•
Pontocerebellar Hypoplasia, Type 2D	SEPSECS	•							•	•
Primary Ciliary Dyskinesia, DNAH5-Related	DNAH5	•							•	•
Primary Ciliary Dyskinesia, DNAI1-Related	DNAI1	•							•	•
Primary Ciliary Dyskinesia, DNAI2-Related	DNAI2	•							•	•
Primary Hyperoxaluria, Type 1	AGXT	•								•
Primary Hyperoxaluria, Type 2	GRHPR	•								•
Primary Hyperoxaluria, Type 3	HOGA1	•						•	•	•
Progressive Familial Intrahepatic Cholestasis, Type 2	ABCB11	•								•
Propionic Acidemia, PCCA-Related	PCCA	•								•
Propionic Acidemia, PCCB-Related	PCCB	•								•
Pycnodyostosis	CTSK	•								•
Pyruvate Dehydrogenase Deficiency, PDHB-Related	PDHB	•								•
Pyruvate Dehydrogenase Deficiency, X-Linked	PDHA1		•							•
Renal Tubular Acidosis and Deafness, ATP6V1B1-Related	ATP6V1B1	•								•
Retinitis Pigmentosa 25	EYS	•							•	•
Retinitis Pigmentosa 26	CERKL	•							•	•
Retinitis Pigmentosa 28	FAM161A	•							•	•
Retinitis Pigmentosa 59	DHDDS	•			○				•	•
Rhizomelic Chondrodyplasia Punctata, Type 3	AGPS	•								•
Rhizomelic Chondrodyplasia Punctata, Type 1	PEX7	•						•	•	•
Roberts Syndrome	ESCO2	•								•
Salla Disease	SLC17A5	•								•
Sandhoff Disease	HEXB	•								•
Schimke Immunoosseous Dysplasia	SMARCAL1	•								•
Segawa Syndrome, TH-Related	TH	•								•
Severe Combined Immunodeficiency, ADA-Related	ADA	•								•
Severe Combined Immunodeficiency, Type Athabaskan	DCLRE1C	•								•
Severe Combined Immunodeficiency, X-Linked	IL2RG		•							•
Sjogren-Larsson Syndrome	ALDH3A2	•								•
Smith-Lemli-Optiz Syndrome	DHCR7	•		○	○	○		•	•	•
Spinal Muscular Atrophy	SMN1	•		○	○	○	•	•	•	•
Spondylothoracic Dysostosis, MESP2-Related	MESP2	•								•
Steroid-Resistant Nephrotic Syndrome	NPHS2	•								•
Stuve-Wiedemann Syndrome	LIFR	•								•
Tay-Sachs Disease	HEXA	•		○	○	○		•	•	•
Tyrosinemia, Type I	FAH	•			○			•	•	•
Usher Syndrome, Type 1B	MYO7A	•								•
Usher Syndrome, Type 1C	USH1C	•								•
Usher Syndrome, Type 1D	CDH23	•								•
Usher Syndrome, Type 1F	PCDH15	•		○	○				•	•
Usher Syndrome, Type 2A	USH2A	•							•	•
Usher Syndrome, Type 3	CLRN1	•		○	○			•	•	•
Very Long-Chain Acyl-CoA Dehydrogenase Deficiency	ACADVL	•								•
Walker-Warburg Syndrome, FKTN-Related	FKTN	•			○				•	•
Wilson Disease	ATP7B	•				○			•	•
Wolman Disease	LIPA	•							•	•
Zellweger Spectrum Disorders, PEX10-Related	PEX10	•								•
Zellweger Spectrum Disorders, PEX1-Related	PEX1	•						•	•	•
Zellweger Spectrum Disorders, PEX2-Related	PEX2	•				○			•	•
Zellweger Spectrum Disorders, PEX6-Related	PEX6	•							•	•

\* Note that ACOG screening recommendations listed here include diseases in ACOG Committee Opinion 690, example panel, as well as the diseases listed in ACOG Committee Opinion 691.