Foresight®

Carrier Screen

Universal panel disease list

The Myriad Foresight Carrier Screen focuses on serious, clinically-actionable, and prevalent conditions to ensure you are providing meaningful information to your patients.

Congenital Adrenal Hyperplasia, CYP11B1-Related (*CYP11B1*)

6-Pyruvoyl-Tetrahydropterin Synthase Deficiency (*PTS*)

Familial Hyperinsulinism, ABCC8-Related (*ABCC8*) ACMG

Adenosine Deaminase Deficiency (*ADA*)

Adrenoleukodystrophy, X-Linked (*ABCD1*) ACMG X-linked

Alpha Thalassemia (*HBA1/HBA2*)* ACOG ACMG

Alpha-Mannosidosis (*MAN2B1*)

Alpha-Sarcoglycanopathy (including Limb-Girdle Muscular Dystrophy, Type 2D) (*SGCA*)

Alport Syndrome, X-Linked (*COL4A5*) X-linked

Alstrom Syndrome (*ALMS1*)

Glycine Encephalopathy, AMT-Related (*AMT*)

Andermann Syndrome (*SLC12A6*)

Argininemia (*ARG1*)

Argininosuccinic Aciduria (*ASL*) ACMG

Aspartylglycosaminuria (*AGA*) ACMG

Ataxia with Vitamin E Deficiency (*TTPA*)

Ataxia-Telangiectasia (*ATM*)

ATP7A-Related Disorders (*ATP7A*) X-linked

Autoimmune Polyglandular Syndrome Type 1 (*AIRE*) ACMG

Autosomal Recessive Osteopetrosis, Type 1 (*TCIRG1*)

Autosomal Recessive Polycystic Kidney Disease, PKHD1-Related (*PKHD1*) ACMG

Autosomal Recessive Spastic Ataxia of Charlevoix-Saguenay (*SACS*)

Bardet-Biedl Syndrome, BBS1-Related (*BBS1*) ACMG

Bardet-Biedl Syndrome, BBS10-Related (*BBS10*)

Bardet-Biedl Syndrome, BBS12-Related (*BBS12*)

Bardet-Biedl Syndrome, BBS2-Related (*BBS2*) ACMG

BCS1L-Related Disorders (*BCS1L*)

Beta-Sarcoglycanopathy (including Limb-Girdle Muscular Dystrophy, Type 2E) (*SGCB*)

Biotinidase Deficiency (*BTD*) ACMG

Bloom Syndrome (*BLM*) ACMG

Calpainopathy (*CAPN3*)

Canavan Disease (*ASPA*) ACOG ACMG

Carbamoylphosphate Synthetase I Deficiency (*CPS1*)

Carnitine Palmitoyltransferase IA Deficiency (*CPT1A*)

Carnitine Palmitoyltransferase II Deficiency (*CPT2*) ACMG

Cartilage-Hair Hypoplasia (*RMRP*)

Cerebrotendinous Xanthomatosis (*CYP27A1*) ACMG

Citrullinemia, Type 1 (*ASS1*)

CLN3-Related Neuronal Ceroid Lipofuscinosis (*CLN3*)

CLN5-Related Neuronal Ceroid Lipofuscinosis (*CLN5*)

Neuronal Ceroid Lipofuscinosis, CLN6-Related (*CLN6*)

CLN8-Related Neuronal Ceroid Lipofuscinosis (*CLN8*)

Cohen Syndrome (*VPS13B*)

COL4A3-Related Alport Syndrome (*COL4A3*)

COL4A4-Related Alport Syndrome (*COL4A4*)

Combined Pituitary Hormone Deficiency, PROP1-Related (*PROP1*)

Congenital Adrenal Hyperplasia, CYP21A2-Related (*CYP21A2*)* ACMG

Congenital Disorder of Glycosylation, MPI-Related (*MPI*)

Congenital Disorder of Glycosylation, Type Ia (*PMM2*) ACMG

Congenital Disorder of Glycosylation, Type Ic (*ALG6*)

Costeff Optic Atrophy Syndrome (*OPA3*)

Cystic Fibrosis (*CFTR*) ACOG ACMG

Cystinosis (*CTNS*)

D-Bifunctional Protein Deficiency (*HSD17B4*)

Delta-Sarcoglycanopathy (*SGCD*)

Dihydrolipoamide Dehydrogenase Deficiency (*DLD*) ACMG

Dysferlinopathy (*DYSF*)

Dystrophinopathies (including Duchenne/Becker Muscular Dystrophy)(*DMD*) ACMG X-linked

ERCC6-Related Disorders (*ERCC6*)

ERCC8-Related Disorders (*ERCC8*)

EVC-Related Ellis-Van Creveld Syndrome (*EVC*)

EVC2-Related Ellis-Van Creveld Syndrome (*EVC2*) ACMG

Fabry Disease (*GLA*) ACMG X-linked

Familial Dysautonomia (*ELP1*) ACOG ACMG

Familial Mediterranean Fever (*MEFV*)

Fanconi Anemia Complementation, Group A (*FANCA*)

Fanconi Anemia, FANCC-Related (*FANCC*) ACMG

FKRP-Related Disorders (*FKRP*) ACMG

FKTN-Related Disorders (including Walker-Warburg Syndrome) (*FKTN*) ACMG

Fragile X Syndrome (*FMR1*)* ACMG X-linked

Galactokinase Deficiency (*GALK1*)

Galactosemia (*GALT*) ACMG

Gamma-Sarcoglycanopathy (*SGCG*)

Gaucher Disease (*GBA*)* ACMG

GJB2-Related DFNB1 Nonsyndromic Hearing Loss and Deafness (including two GJB6 deletions) (*GJB2*) ACMG

GLB1-Related Disorders (*GLB1*)

GLDC-Related Glycine Encephalopathy (*GLDC*)

Glutaric Acidemia, GCDH-Related (*GCDH*)

Glycogen Storage Disease, Type Ia (*G6PC*) ACMG

Glycogen Storage Disease, Type Ib (*SLC37A4*) ACMG

Glycogen Storage Disease, Type III (*AGL*)

GNE Myopathy (*GNE*)

GNPTAB-Related Disorders (*GNPTAB*) ACMG

HADHA-Related Disorders (including Long Chain 3-Hydroxyacyl-CoA Dehydrogenase Deficiency) (*HADHA*)

Hb Beta Chain-Related Hemoglobinopathy (including Beta Thalassemia and Sickle Cell Disease)(*HBB*) ACOG ACMG

Hereditary Fructose Intolerance (*ALDOB*) ACMG

Junctional Epidermolysis Bullosa, LAMB3-Related (*LAMB3*)

Hexosaminidase A Deficiency (including Tay-Sachs Disease) (*HEXA*) ACOG ACMG

HMG-CoA Lyase Deficiency (*HMGCL*)

Holocarboxylase Synthetase Deficiency (*HLCS*)

Homocystinuria, CBS-Related (*CBS*) ACMG

Hydrolethalus Syndrome (*HYLS1*)

Hypophosphatasia (*ALPL*) ACMG

Isovaleric Acidemia (*IVD*)

Joubert Syndrome 2 (*TMEM216*) ACMG

Junctional Epidermolysis Bullosa, LAMC2-Related (*LAMC2*)

Junctional Epidermolysis Bullosa, LAMA3-Related (*LAMA3*)

Familial Hyperinsulinism, KCNJ11-Related (*KCNJ11*)

Krabbe Disease (*GALC*)

Muscular Dystrophy, LAMA2-Related (*LAMA2*)

Leigh Syndrome, French-Canadian Type (*LRPPRC*)

Lipoid Congenital Adrenal Hyperplasia (*STAR*)

Lysosomal Acid Lipase Deficiency (*LIPA*)

Maple Syrup Urine Disease, Type Ia (*BCKDHA*)

Maple Syrup Urine Disease, Type Ib (*BCKDHB*) ACMG

Maple Syrup Urine Disease, Type II (*DBT*)

Medium Chain Acyl-CoA Dehydrogenase Deficiency (*ACADM*) ACMG

Megalencephalic Leukoencephalopathy with Subcortical Cysts (*MLC1*) ACMG

Metachromatic Leukodystrophy (*ARSA*) ACMG

Methylmalonic Acidemia, cblA Type (MMAA)

Methylmalonic Acidemia, cblB Type (*MMAB*)

Methylmalonic Aciduria and Homocystinuria, cblC Type (*MMACHC*) ACMG

MKS1-Related Disorders (*MKS1*)

Mucolipidosis III Gamma (*GNPTG*)

Mucolipidosis IV (*MCOLN1*) ACMG

Mucopolysaccharidosis, Type I (including Hurler Syndrome) (*IDUA*) ACMG

Mucopolysaccharidosis, Type II (*IDS*) X-linked

Mucopolysaccharidosis, Type IIIA (*SGSH*)

Mucopolysaccharidosis, Type IIIB (*NAGLU*)

Mucopolysaccharidosis, Type IIIC (*HGSNAT*)

MUT-Related Methylmalonic Acidemia (*MUT*)

MYO7A-Related Disorders (*MYO7A*)

NEB-Related Nemaline Myopathy (*NEB*) ACMG

Nephrotic Syndrome, NPHS1-Related (*NPHS1*) ACMG

Niemann-Pick Disease, SMPD1-Related (*SMPD1*) ACMG

Niemann-Pick Disease, Type C1 (*NPC1*)

Niemann-Pick Disease, Type C2 (*NPC2*)

Nijmegen Breakage Syndrome (*NBN*)

Ornithine Transcarbamylase Deficiency (*OTC*) ACMG X-linked

PCCA-Related Propionic Acidemia (*PCCA*)

PCCB-Related Propionic Acidemia (*PCCB*)

PCDH15-Related Disorders (including Usher Syndrome, Type 1F) (*PCDH15*) ACMG

Pendred Syndrome (*SLC26A4*) ACMG

Peroxisome Biogenesis Disorder, Type 1 (*PEX1*)

Peroxisome Biogenesis Disorder, Type 3 (*PEX12*)

Peroxisome Biogenesis Disorder, Type 4 (*PEX6*)

Peroxisome Biogenesis Disorder, Type 5 (*PEX2*)

Peroxisome Biogenesis Disorder, Type 6 (*PEX10*)

Phenylalanine Hydroxylase Deficiency (*PAH*) ACMG

POMGNT-Related Disorders (*POMGNT1*)

Pompe Disease (*GAA*) ACMG

PPT1-Related Neuronal Ceroid Lipofuscinosis (*PPT1*)

Primary Carnitine Deficiency (*SLC22A5*)

Primary Hyperoxaluria, Type 1 (*AGXT*) ACMG

Primary Hyperoxaluria, Type 2 (*GRHPR*)

Primary Hyperoxaluria, Type 3 (*HOGA1*)

Pycnodysostosis (*CTSK*)

Pyruvate Carboxylase Deficiency (*PC*)

Rhizomelic Chondrodysplasia Punctata, Type 1 (*PEX7*)

RTEL1-Related Disorders (*RTEL1*)

Salla Disease (*SLC17A5*)

Sandhoff Disease (*HEXB*)

Short Chain Acyl-CoA Dehydrogenase Deficiency (*ACADS*)

Sjogren-Larsson Syndrome (*ALDH3A2*)

SLC26A2-Related Disorders (*SLC26A2*) ACMG

Smith-Lemli-Opitz Syndrome (*DHCR7*) ACMG

Spastic Paraplegia, Type 15 (*ZFYVE26*)

Spinal Muscular Atrophy (*SMN1*)* ACOG ACMG

Spondylothoracic Dysostosis (*MESP2*)

Steroid-Resistant Nephrotic Syndrome (*NPHS2*)

TGM1-Related Autosomal Recessive Congenital Ichthyosis (*TGM1*)

TPP1-Related Neuronal Ceroid Lipofuscinosis (*TPP1*)

Tyrosine Hydroxylase Deficiency (*TH*)

Tyrosinemia, Type I (*FAH*) ACMG

Tyrosinemia, Type II (*TAT*)

USH1C-Related Disorders (*USH1C*)

USH2A-Related Disorders (*USH2A*) ACMG

Usher Syndrome, Type 3 (*CLRN1*) ACMG

Very Long Chain Acyl-CoA Dehydrogenase Deficiency (*ACADVL*) ACMG

Wilson Disease (*ATP7B*) ACMG

X-linked Adrenal Hypoplasia Congenita (*NR0B1*) ACMG X-linked

X-Linked Juvenile Retinoschisis (*RS1*) ACMG X-linked

X-Linked Myotubular Myopathy (*MTM1*) X-linked

X-Linked Severe Combined Immunodeficiency (*IL2RG*) X-linked

Xeroderma Pigmentosum, Group A (*XPA*)

Xeroderma Pigmentosum, Group C (*XPC*) ACMG

ACOG
Indicates disease listed in ACOG guidelines

ACMG
Indicates disease listed in ACMG guidelines

X-linked
Indicates X-linked disorders

*Analyzed using custom assay

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