EPILEPSY TEST REQUISITION

LAB USE ONLY:

Received date:

Notes:

SAMPLE COLLECTION:

Date drawn:
YYYY/MM/DD

◯ EDTA blood (2 lavender top at room temp; min 2ml)

◯ DNA (100ng minimum) Conc:

TEST REQUEST:

NGS PANELS (INCLUDES DELETION/DUPLICATION ANALYSIS):
*See page 2 for panel genes**

◯ Epilepsy Comprehensive panel: 190 genes

◯ Actionable Gene Epilepsy panel: 25 genes

◯ Brain Malformation Epilepsy panel: 45 genes

◯ Childhood Onset Epilepsy panel: 59 genes

◯ Early Infantile Epilepsy panel: 84 genes

◯ Focal Epilepsy panel: 12 genes

◯ Progressive Myoclonic Epilepsy panel: 21 genes

◯ Single gene test:

◯ Carrier Testing/ Known Family Mutation

Name of index case in the family (include copy of report)

◯ Affected ◯ Unaffected

Date of Birth: Relationship to patient:

Gene: RefSeq:NM

Mutation:

REASON FOR REFERRAL:

Clinical Diagnosis/Presentation:

PATIENT INFORMATION: INCOMPLETE REQUESTS WILL BE BANKED

Name:

Address:

Date of Birth:
YYYY/MM/DD

Health Card No:

Sex: ◯ M ◯ F ◯ Unknown ◯ Unspecified

Birthsex: ◯ M ◯ F ◯ Unknown ◯ Unspecified

REQUEST FOR EXPEDITED RESULT:

◯ Pregnancy (LMP, YYYY/MM/DD):

◯ Medical Intervention (Specify Date)

REFERRING PHYSICIAN: Authorized Signature is Required

Physician Name (print):

Signature:

Email:

Clinic/Hospital:

Address:

Telephone: Fax:

CC report to:

Name:

Address:

Telephone: Fax:

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Pathology and Laboratory Medicine

EPILEPSY TEST PANELS

Patient Identifier:

COMPREHENSIVE EPILEPSY PANEL: 190 Genes

ABAT, ACTB, ACTG1, ADGRG1, ADSL, AKT3, ALDH7A1, ALG13, AMT, AP3B2, ARFGEF2, ARHGEF9, ARV1, ARX, ASAH1, ASNS, ATP1A2, ATP1A3, ATP6V0A2, ATP7A, ATRX, B3GALNT2, CACNA1A, CACNA1E, CAD, CDKL5, CHD2, CHRNA4, CHRNB2, CLCN4, CLN3, CLN5, CLN6, CLN8, CNTNAP2, CSTB, CTSD, CTSF, DCX, DEPDC5, DNAJC5, DNM1, DOCK7, DYNC1H1, DYRK1A, EEF1A2, EHMT1, EPM2A, FGF12, FKRP, FKTN, FLNA, FOLR1, FOXG1, FRRS1L, GABBR2, GABRA1, GABRB2, GABRB3, GABRG2, GAMT, GLDC, GMPPB, GNAO1, GOSR2, GPSM2, GRIN1, GRIN2A, GRIN2B, GRIN2D, GRN, HCN1, HNRNPU, ITPA, KANSL1, KATNB1, KCNA1, KCNA2, KCNB1, KCNC1, KCNH5, KCNJ10, KCNMA1, KCNQ2, KCNQ3, KCNT1, KCTD7, KDM5C, KIF2A, LAMA2, LARGE1, LGI1, MBD5, MDH2, MECP2, MEF2C, MFSD8, MOCS1, NDE1, NEU1, NEXMIF, NGLY1, NHLRC1, NPRL2, NPRL3, NRXN1, OCLN, PAFAH1B1, PAK3, PCDH19, PHF6, PHGDH, PIGA, PIGG, PIGN, PIGO, PIGT, PIGV, PLCB1, PLPBP, PNKP, PNPO, POLG, POMGNT1, POMGNT2, POMK, POMT1, POMT2, PPT1, PRRT2, PSAT1, PSPH, PURA, RAB18, RAB39B, RAB3GAP1, RAB3GAP2, RELN, ROGDI, RTTN, SCARB2, SCN1A, SCN1B, SCN2A, SCN3A, SCN8A, SERPINI1, SGCE, SLC12A5, SLC13A5, SLC19A3, SLC25A12, SLC25A22, SLC2A1, SLC35A2, SLC6A1, SLC6A8, SLC9A6, SMARCA2, SNAP29, SPATA5, SPTAN1, SRD5A3, ST3GAL5, STX1B, STXBP1, SUOX, SYN1, SYNGAP1, SYNJ1, SZT2, TBC1D24, TCF4, TPP1, TRPM3, TSC1, TSC2, TUBA1A, TUBB, TUBB2A, TUBB2B, TUBB3, UBA5, UBE3A, VLDLR, WDR45, WDR62, WWOX, YWHAG, ZEB2

ACTIONABLE GENE EPILEPSY PANEL: 25 Genes

ALDH7A1, AMT, ATP7A, CAD, FOLR1, GAMT, GLDC, KCNQ2, KCNT1, MOCS1, PHGDH, PLPBP, PNPO, POLG, PSAT1, PSPH, SCN1A, SLC19A3, SLC2A1, SLC6A8, SUOX, TPP1, TRPM3, TSC1, TSC2

BRAIN MALFORMATION EPILEPSY PANEL: 45 Genes

ACTB, ACTG1, ADGRG1, AKT3, ARFGEF2, ARX, ASNS, ATP1A2, ATP6V0A2, B3GALNT2, DCX, DYNC1H1, FKRP, FKTN, FLNA, GMPPB, GPSM2, GRIN1, KATNB1, KIF2A, LAMA2, LARGE1, NDE1, OCLN, PAFAH1B1, POMGNT1, POMGNT2, POMK, POMT1, POMT2, RAB18, RAB3GAP1, RAB3GAP2, RELN, RTTN, SCN3A, SNAP29, SRD5A3, TUBA1A, TUBB, TUBB2A, TUBB2B, TUBB3, VLDLR, WDR62

CHILDHOOD ONSET EPILEPSY PANEL: 59 Genes

ADSL, ARX, ATP1A3, ATRX, CDKL5, CHD2, CLCN4, CNTNAP2, DEPDC5, DNAJC5, DYRK1A, EHMT1, FOXG1, GABBR2, GABRB2, GABRG2, GRIN2A, GRIN2D, KANSL1, KCNJ10, KCNMA1, KCNQ3, KDM5C, MBD5, MECP2, MEF2C, NEXMIF, NGLY1, NRXN1, PAK3, PCDH19, PHF6, PIGA, PIGN, PIGO, PNKP, POLG, PRRT2, RAB39B, ROGDI, SCN1A, SCN1B, SCN2A, SLC2A1, SLC6A1, SLC6A8, SLC9A6, SMARCA2, STX1B, SYN1, SYNGAP1, TBC1D24, TCF4, TRPM3, TSC1, TSC2, UBE3A, WDR45, ZEB2

EARLY INFANTILE EPILEPSY PANEL: 84 Genes

ABAT, ADSL, ALDH7A1, ALG13, AP3B2, ARHGEF9, ARV1, ARX, CACNA1A, CACNA1E, CAD, CDKL5, CHD2, DCX, DNM1, DOCK7, DYRK1A, EEF1A2, FGF12, FOLR1, FOXG1, FRRS1L, GABBR2, GABRA1, GABRB2, GABRB3, GABRG2, GAMT, GLDC, GNAO1, GRIN2A, GRIN2B, GRIN2D, HCN1, HNRNPU, ITPA, KCNA1, KCNA2, KCNB1, KCNH5, KCNQ2, KCNQ3, KCNT1, MDH2, MECP2, MEF2C, NGLY1, PCDH19, PIGA, PIGG, PIGN, PIGO, PIGT, PIGV, PLCB1, PNKP, PNPO, POLG, PRRT2, PURA, SCN1A, SCN1B, SCN2A, SCN8A, SLC12A5, SLC13A5, SLC25A12, SLC25A22, SLC2A1, SLC35A2, SLC6A8, SPATA5, SPTAN1, ST3GAL5, STX1B, STXBP1, SYNGAP1, SYNJ1, SZT2, TBC1D24, UBA5, WDR45, WWOX, YWHAG

FOCAL EPILEPSY PANEL: 12 Genes

CHRNA4, CHRNB2, DEPDC5, GRIN2A, KCNT1, LGI1, NPRL2, NPRL3, PRRT2, SCN1A, SCN1B, SLC2A1

PROGRESSIVE MYOCLONIC EPILEPSY PANEL: 21 Genes

ASAH1, CLN3, CLN5, CLN6, CLN8, CSTB, CTSD, CTSF, EPM2A, GOSR2, GRN, KCNC1, KCTD7, MFSD8, NEU1, NHLRC1, PPT1, SCARB2, SERPINI1, SGCE, TPP1

*Genetic testing may reveal secondary findings which are not related to the referral indication. Secondary findings will be communicated to the ordering provider and may be reported according to ACMG guidelines.